LACIE 5BIG NAS PRO USER MANUAL

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INTRODUCTION

Welcome to the LaCie 5big NAS Pro User Manual. Easy to install and compatible with popular computer and mobile operating systems, the LaCie 5big NAS Pro is the perfect server to centralize, share, and access your company's data. Both seasoned IT administrators and office managers just learning about NAS (network-attached storage) will appreciate the speed and security built into the 5big NAS Pro. Additionally, LaCie's SimplyRAID gives you the flexibility to increase storage capacity without the headache of moving or deleting your data. Pop in a new or larger capacity hard drive and LaCie's SimplyRAID takes care of the rest.

Use this manual to guide you through the network setup and software configuration as well as a resource for administering your device. The chapters for the Dashboard (Administration) provide detailed instructions on how to navigate your device's browser-based administration tool.

If questions arise or you encounter problems, please refer to this manual's Getting Help section. Note that many problems encountered by users are often resolved by resetting the product to factory conditions (see LaCie NAS Rescue - 5big NAS Pro).

BOX CONTENT

- LaCie 5big NAS Pro
- Ethernet cable
- External Power supply
- USB Key for install and recovery
- Utilities CD-ROM with software
- Quick Install Guide
- Drawer key
- Cable management clip

Important info: Please save your packaging. In the event that the drive should need to be repaired or serviced, it must be returned in its original packaging.

MINIMUM SYSTEM REQUIREMENTS

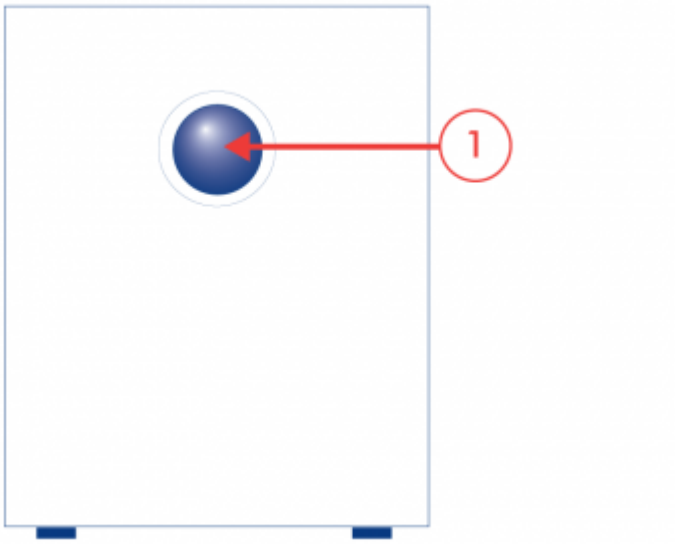
- Latest version of Windows XP, Windows Vista®, Windows 7, Windows 8 / Mac OS X 10.5, 10.6, 10.7, 10.8
- Minimum free disk space: 600MB recommended
- Web browsers: Internet Explorer™ 7.0 / 8.0, Firefox™ 3.0, Safari™ 3.0, or Chrome 2.0 or higher
- Ethernet switch or router 10/100/1GB

Important info:
Your LaCie product's performance can be affected by such external forces as network activity, hardware, distance, and setup.

For optimal performance, use a Gigabit Ethernet router and a Gigabit Ethernet board in your host computer.

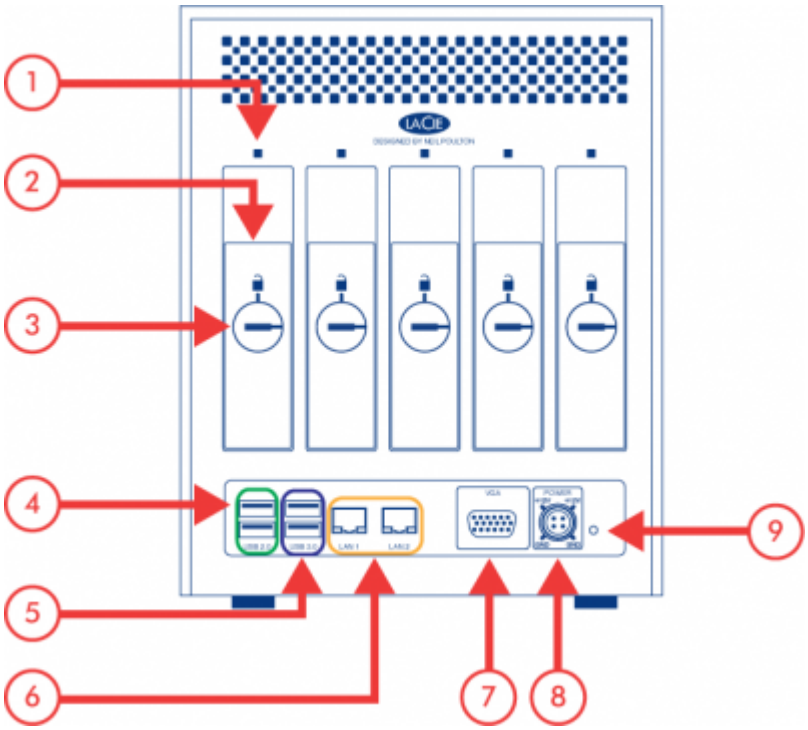
VIEWS OF THE PRODUCT

FRONT VIEW



1. **LED button:** The LED button signals the status and health of the device. For further details, see LED Behavior and Button Functions.

REAR VIEW



1. Drive status LED (see LED Behavior and Button Functions)
2. Drive tray handle
3. Drive lock
4. USB 2.0 expansion (x2)
5. USB 3.0 expansion (x2)
6. Gigabit Ethernet (x2)
7. VGA port
8. Power connector
9. Reset button (see LaCie NAS Rescue - 5big NAS Pro)

LED BEHAVIOR AND BUTTON FUNCTIONS

LED

The front and rear LEDs indicate drive status and activity.

Front LED Color	Rear LED Color	State
Blinking blue	Activity LED for working disk(s) (until they are fully initialized)	Occurs as the device is booting; will cease once the drives are fully initialized
Solid blue	Activity LED for working disk(s)	Drive working (read/write)
Blinking blue/red	Blinking blue/red	RAID synchronizing; will cease once operation has concluded
	Activity LED for working disk(s)	Operating system update in progress
Blinking red	Activity LED for working disk(s)	RAID is degraded; data is intact but no longer protected from additional failed disks
	Solid red for non-functional disk(s)	
	Activity LED	Temperature alert (first level)
		Fan is not spinning
		Power supply has been cut but power is still being supplied through the UPS
Solid red	Activity LED for working disk(s)	Temperature alert (critic level) – the product will shut off
		Power supply has been cut and the UPS has run out of reserve power – the product will shut off
	Solid red for non-functional disk(s)	RAID has failed and data has been lost
	Off in disconnected disk(s)	Disk(s) is/are disconnected

The front LED and deep sleep mode: To conserve energy, you may turn off the front LED using the Dashboard administration tool (see Eco Management). However, it will continue to provide the warning status indications listed in the table above if a problem is detected.

FRONT BUTTON

Use the front LED button to turn your device on/off or to enter/exit deep sleep mode.

Light Push

The default function for a light push on the front LED button is to turn the LaCie NAS on/off. If the device is on, a light push should allow pending actions to restart with the device.

The front button function will change if deep sleep mode is enabled (see Eco Management). A light push will:

- Place the device into deep sleep mode if the device is on.
- Wake up the device if it is in deep sleep mode.

Long Push

A long push tells the device to shut off immediately and force all operations to quit without being saved.

Factory Settings/Recovery

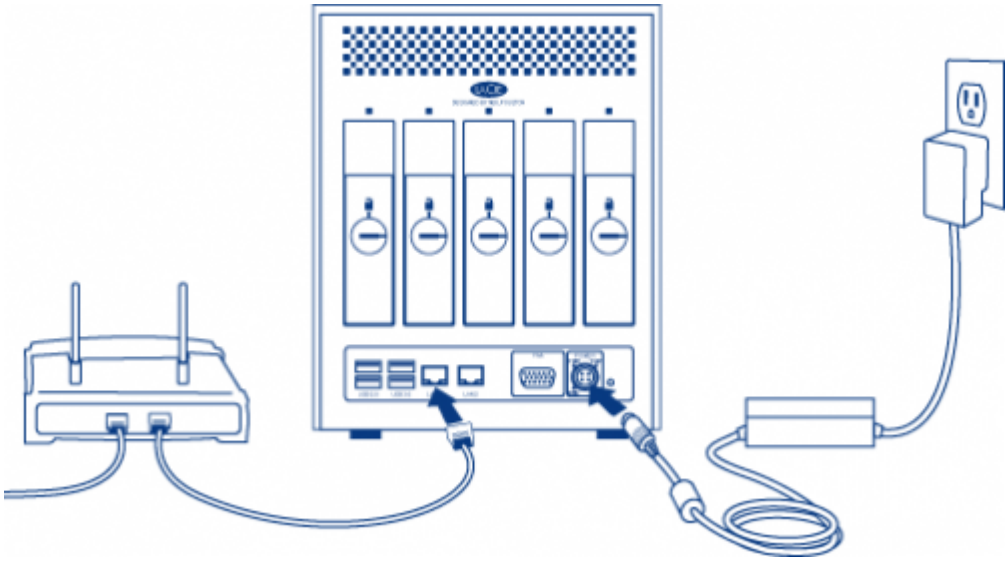
The front LED button can be used in tandem with the button on the rear of the device to reset the NAS to its factory settings (see LaCie NAS Rescue - 5big NAS Pro).

CONNECT TO YOUR NETWORK

Follow the steps below to connect your LaCie 5big NAS Pro to your network.

Enclosure without disks: If you purchased an enclosure that did not include disks, please see Connect to your Network - Diskless LaCie 5big NAS Pro for instructions on how to connect to your network.

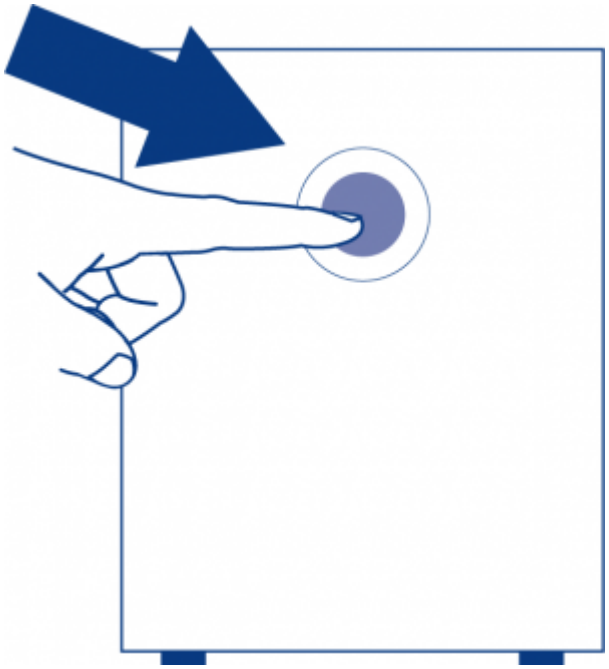
Step 1: Connect the Ethernet Cable and Power Supply



1. Connect the Ethernet cable to the Ethernet port on the back of the product and to an available Ethernet “out” port on your router. Refer to your router’s documentation if necessary.
2. Connect the power supply to a wall outlet and to the product.

Caution: Only use the AC adapter supplied with your specific LaCie device. Do not use a power supply from another LaCie device or another manufacturer. Using any other power cable or power supply may cause damage to the device and void your warranty. Always remove the AC adapter before transporting your LaCie device. Failure to remove the adapter may result in damage and will void your warranty.

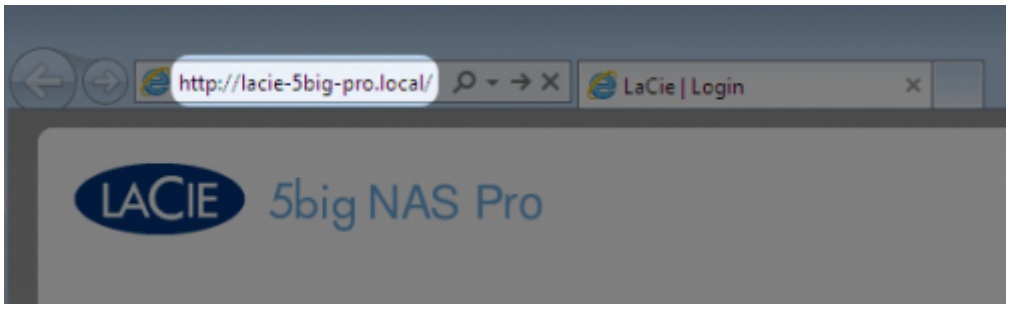
Step 2: Power on the LaCie 5big NAS Pro



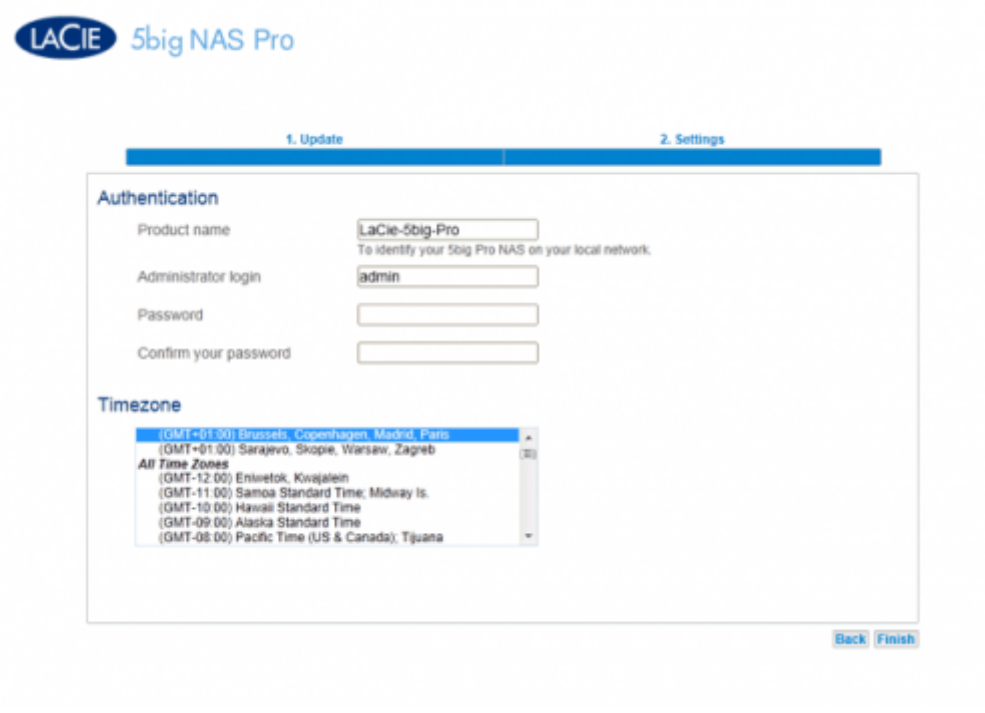
1. Press the front LED button. The product may take up to three minutes to boot. You can go to the next step once the blue LED has stopped blinking.

Step 3: Launch the Dashboard

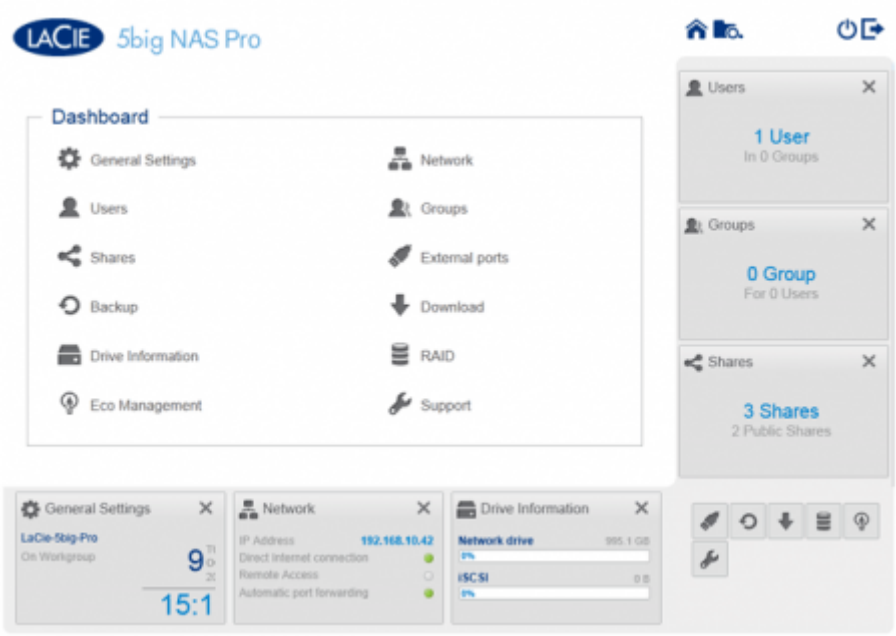
1. Launch your preferred internet browser and type the default address for the LaCie 5big NAS Pro:
   - *Windows XP* - http:\\lacie-5big-pro
   - *Windows Vista / 7 / 8 and Mac OS* - http:\\lacie-5big-pro.local.



   Certain versions of Windows may require the name of the device only, similar to Windows XP. If you do not connect to your device, please try http:\\lacie-5big-pro.
2. The Dashboard administration tool will prompt you to create an administrator password.



3. You may also change:
   - The default name of the device (*LaCie-5big-Pro*).
   - The default administrator login (*admin*).
   - Your time zone.
4. Click **Finish**. You will be taken to the Dashboard home page.



NEXT STEPS

- **Simplify NAS access:** LaCie recommends that you install the utility *LaCie Network Assistant* before moving forward with the device configuration. LaCie Network Assistant gives you instant information on your LaCie NAS, such as firmware version, IP address, and hardware address. It will also provide quick access to shares (volumes) and the Dashboard. See LaCie Network Assistant for instructions.
- **Configure your NAS:** For details on how to configure and use your LaCie 5big NAS Pro, go to Dashboard (Administration) or Access and Transfer Files.
- **Connect to Wuala Secure Cloud Storage:** Enhance your data workflow with Wuala by LaCie. Wuala is secure cloud storage that gives you access to your LaCie NAS from any computer with a connection to the internet. Further, Wuala uses high-end encryption to guarantee that no one, not even LaCie, can access your files. See Wuala Secure Cloud Storage for details.

CONNECT TO YOUR NETWORK - DISKLESS LACIE 5BIG NAS PRO

Users who purchased a LaCie 5big NAS Pro enclosure without hard disks should follow the instructions below.

Enclosure with hard disks: If you purchased an enclosure with hard disks, please see Connect to your Network for instructions on how to connect to your network.

CHOOSE COMPATIBLE HARD DRIVES

Please consider the following before adding hard drives to your LaCie 5big NAS Pro:

- When adding new hard drives to the enclosure, consider LaCie 5big Hard Drives. LaCie hard drives are specially prepared and optimized for use with LaCie NAS.
- If you are installing non-LaCie hard disks, please check the list of supported Hard Drives. LaCie cannot guarantee performance or functionality when using unsupported hard drives.

INSTALLATION STEPS

Step 1: Update the Firmware for the LaCie USB Key and Note the 5big NAS Pro MAC Address

Your LaCie 5big NAS Pro shipped with a LaCie USB flash drive (Key). The USB Key will help you boot the LaCie 5big NAS Pro and format your hard drives. It can also help you troubleshoot the device (see LaCie NAS Rescue - 5big NAS Pro).

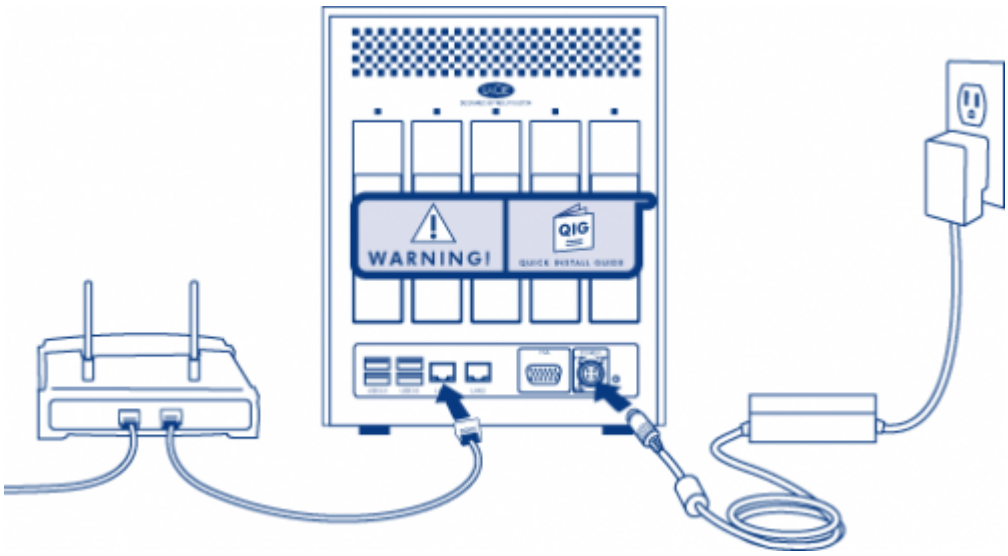
LaCie may update firmware on the USB Key for enhanced operation so please follow the directions below:

1. Insert the LaCie USB Key into a USB port on a PC with a connection to the internet. The PC must be running Windows.
2. Launch an internet browser and enter the following address, or click on the link: www.lacie.com/lakeynas
3. Follow the onscreen directions to make certain that the firmware for your USB Key is up to date.
4. Eject the key from your computer.

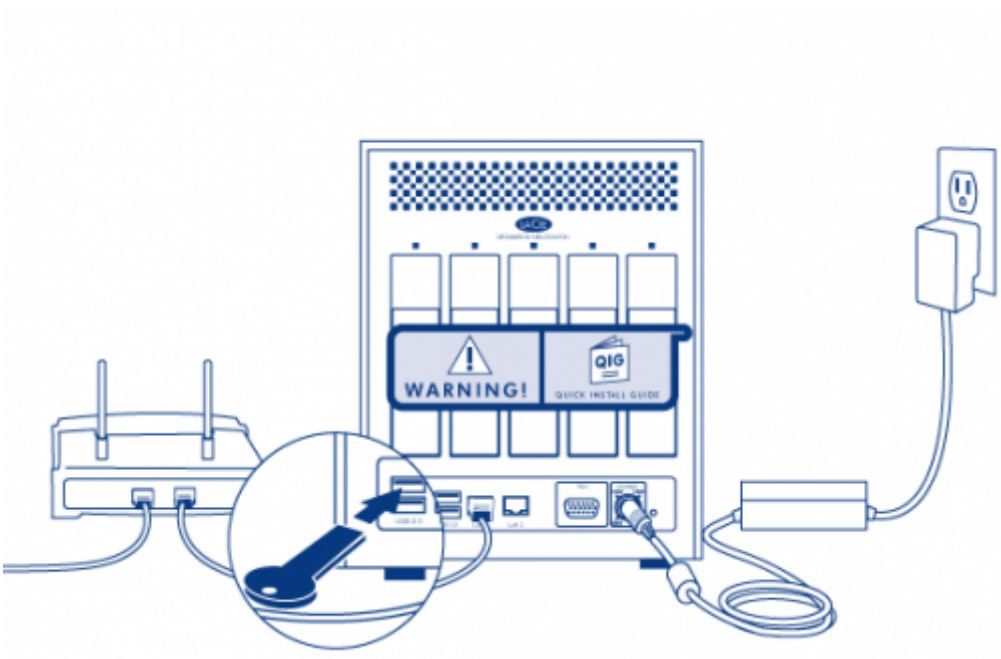
In Step 5 below, the setup wizard will ask you to enter a MAC address unique to your enclosure. To prepare for this request, please do one of the following:

- Look on the bottom of your LaCie 5big NAS Pro enclosure for the sticker with two numbers that correspond to **LAN 1** and **LAN 2**. You may use one of the two numbers as the MAC address.
- Connect a VGA monitor to the VGA port located on the back of the LaCie 5big NAS Pro. Following the initial boot process, the system will indicate MAC and IP addresses. If the monitor is receiving a signal but the image is black, try connecting a USB keyboard to one of the USB ports also located on the back of the 5big NAS Pro. The system may have reverted to energy conservation mode which you can exit by striking one of the keys on the USB keyboard.

Step 2: Connect the Ethernet Cable, Power Supply, and LaCie USB Key



1. Connect the Ethernet cable to the Ethernet port on the back of the product and to an available Ethernet “out” port on your router. Refer to your router’s documentation if necessary.
2. Connect the power supply to a wall outlet and to the product.
3. Connect the LaCie USB Key to one of the USB ports on the LaCie 5big NAS Pro.

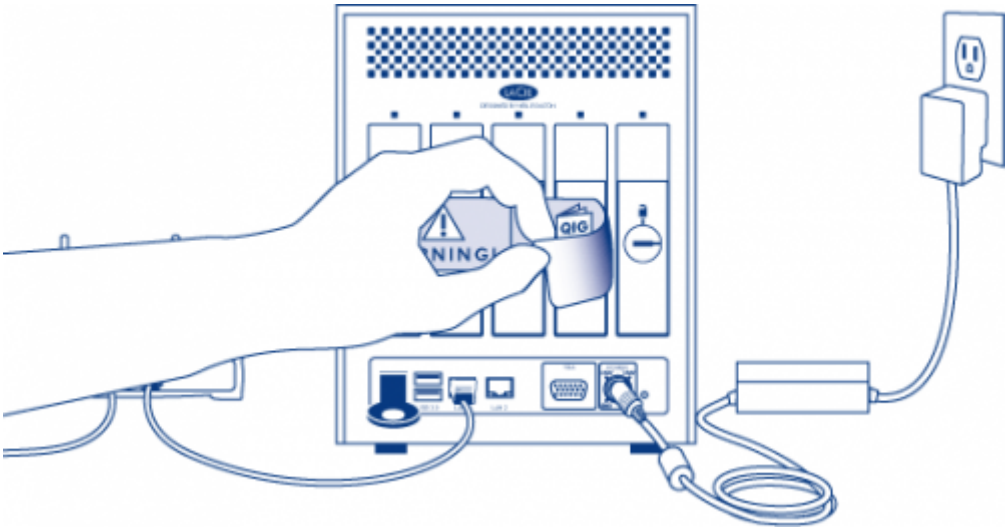


Caution: Only use the AC adapter supplied with your specific LaCie device. Do not use a power supply from

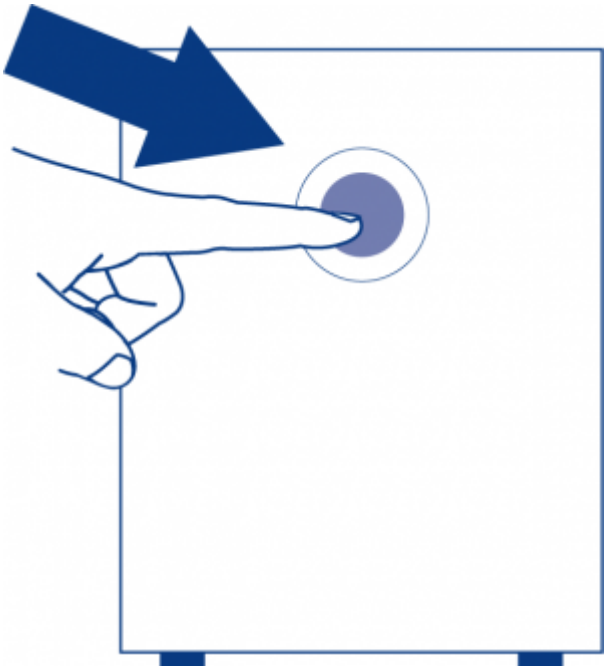
another LaCie device or another manufacturer. Using any other power cable or power supply may cause damage to the device and void your warranty. Always remove the AC adapter before transporting your LaCie device. Failure to remove the adapter may result in damage and will void your warranty.

Step 3: Remove the Sticker and Power on the Device

1. Remove the sticker on the back of the enclosure.



2. Press the front LED button to power on the device.



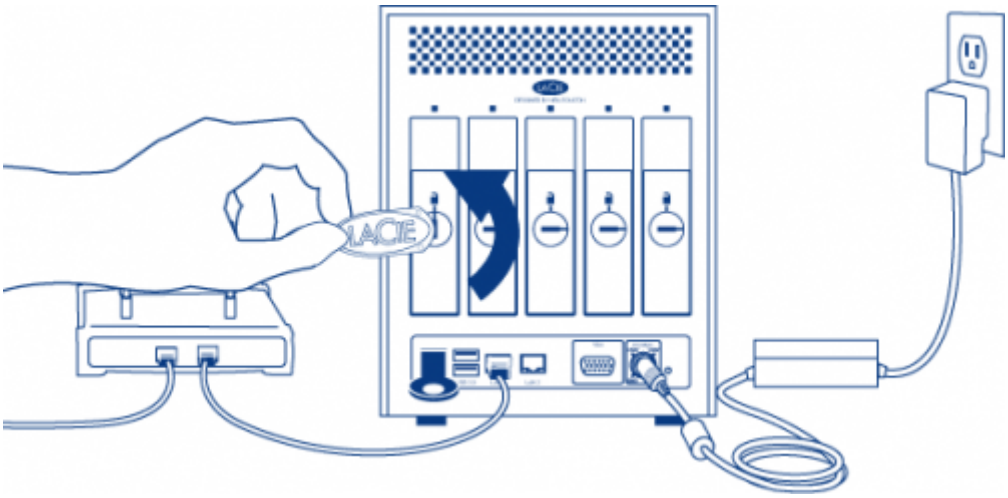
Important info: Power the device on before inserting hard disks into the drive slots.

Step 4: Install Hard Drives into the LaCie 5big NAS Pro Enclosure

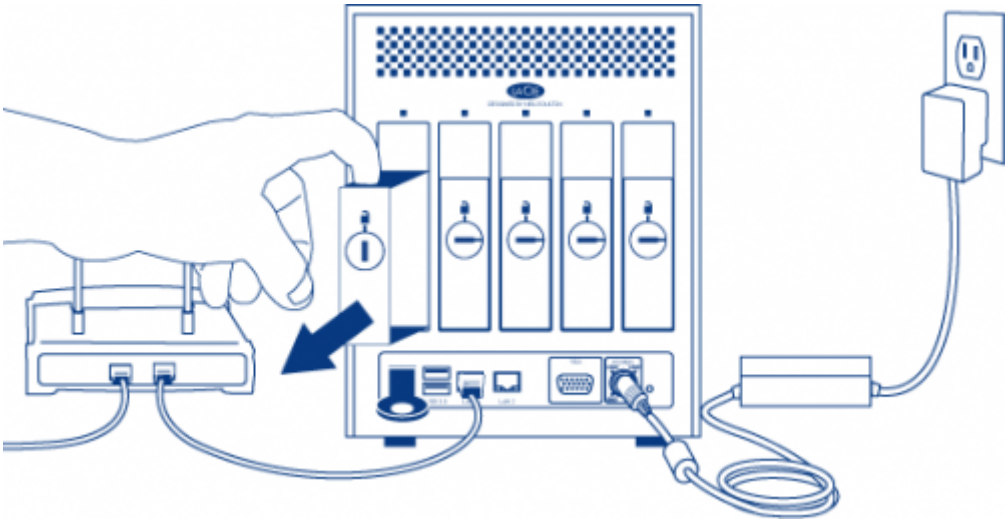
Please make certain to add new hard drives in the order of the numbered slots, from left to right:

Remove the empty disk tray(s):

1. Use the included drawer key to unlock the disk tray. Turn the lock until it is vertical.

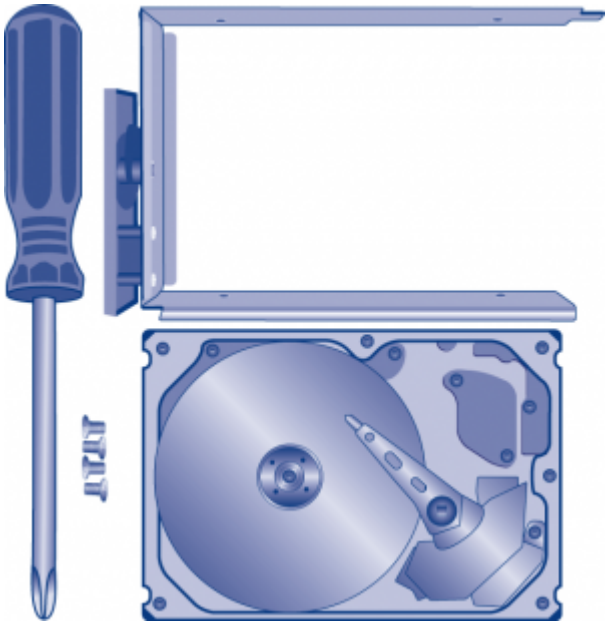


2. Place your index finger into the space behind the handle then carefully remove the disk tray.



3. Remove additional trays if you are adding more than one hard disk. Make certain to remove the disk trays in the proper slot order.

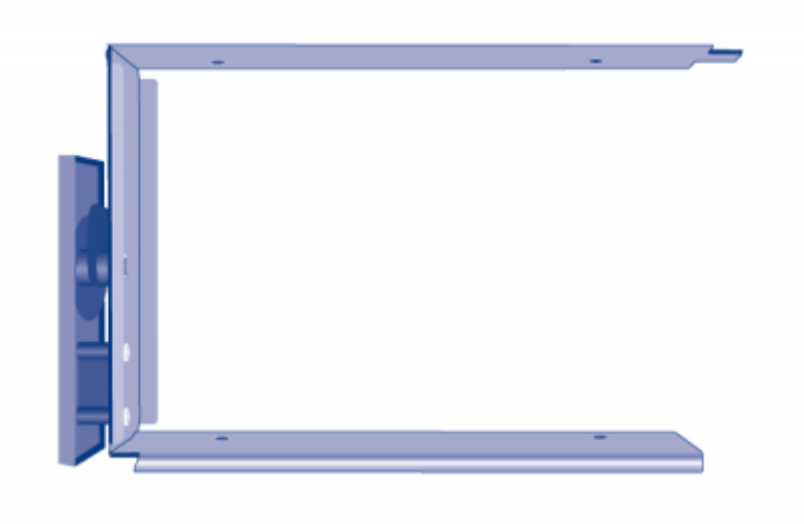
Fasten the hard drive to the hard disk tray:
Find a suitable work area with adequate space and a flat, even surface. Make certain that all necessary components are available:



- LaCie 5big NAS Pro Hard Disk Tray
- Hard drive
- Hard disk tray screws. Use only the screws that are provided with your LaCie NAS.
- Phillips head screwdriver. Please confirm that the head of the screwdriver is the proper size for the disk tray screws.

Secure a hard drive to the hard disk tray:

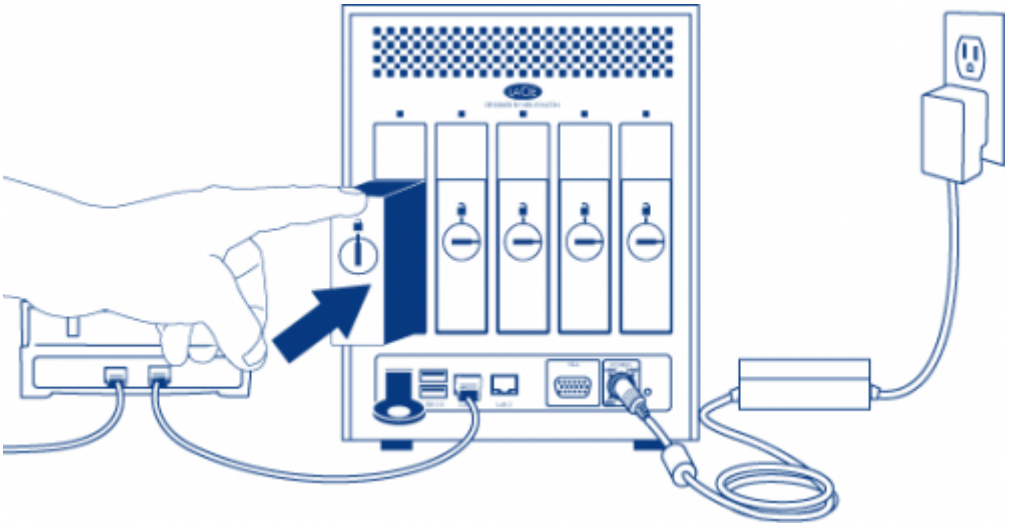
1. Place the empty hard drive tray onto the flat work area with the handle on the bottom left.



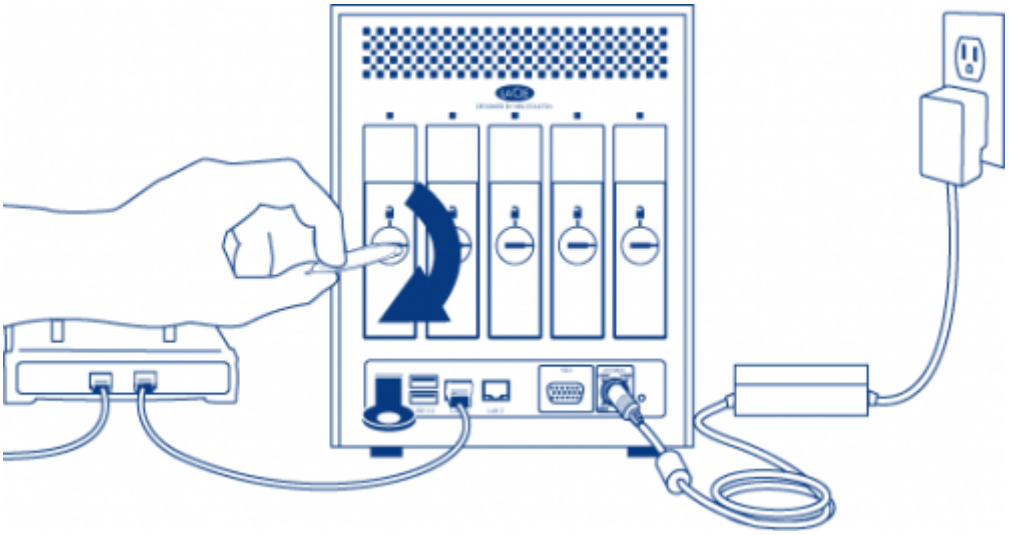
2. Many hard disks have a label on one side and the printed circuit board on the opposite side. With its label side facing up, gently place the hard disk within the hard drive tray. Keep the side with the printed circuit board on the work space and the SATA connector facing to the right. The four tray screw slots should align with the hard disk's four screw holes.

3. Using the Phillips head screwdriver, carefully fasten all four screws into the four tray slots. Do not overly tighten the screws. Doing so can affect the integrity of the screw holes on the hard drive as well as the threads on the screws.

4. Repeat the process if you are adding more than one hard disk.
5. Carefully insert the full hard drive tray into the empty Disk Slot 1 (far left). You will feel resistance when the hard drive tray is most of the way in the bay. Gently push the hard drive tray handle firmly until you feel it snap into place.



6. Once the disk tray handle is flush with the back of the enclosure, you may lock it.

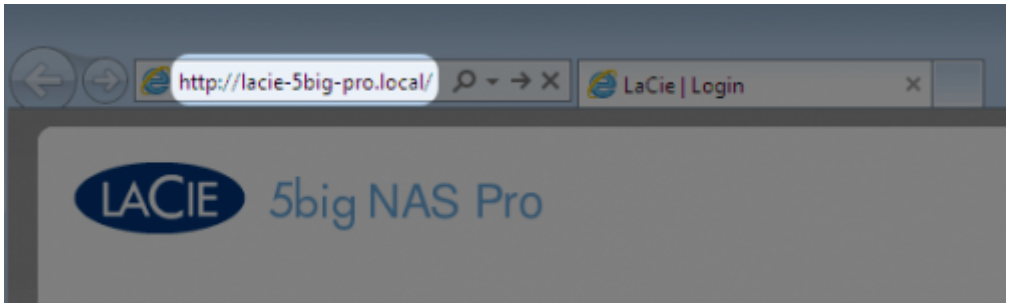


7. If you are adding more than one hard disk, insert full hard drive trays into empty slots in the enclosure. Make certain to follow the slot numbers. For example, the second hard disk should be inserted into Disk Slot 2, the third disk into Disk Slot 3, etc.

Step 5: Install LaCie NAS OS

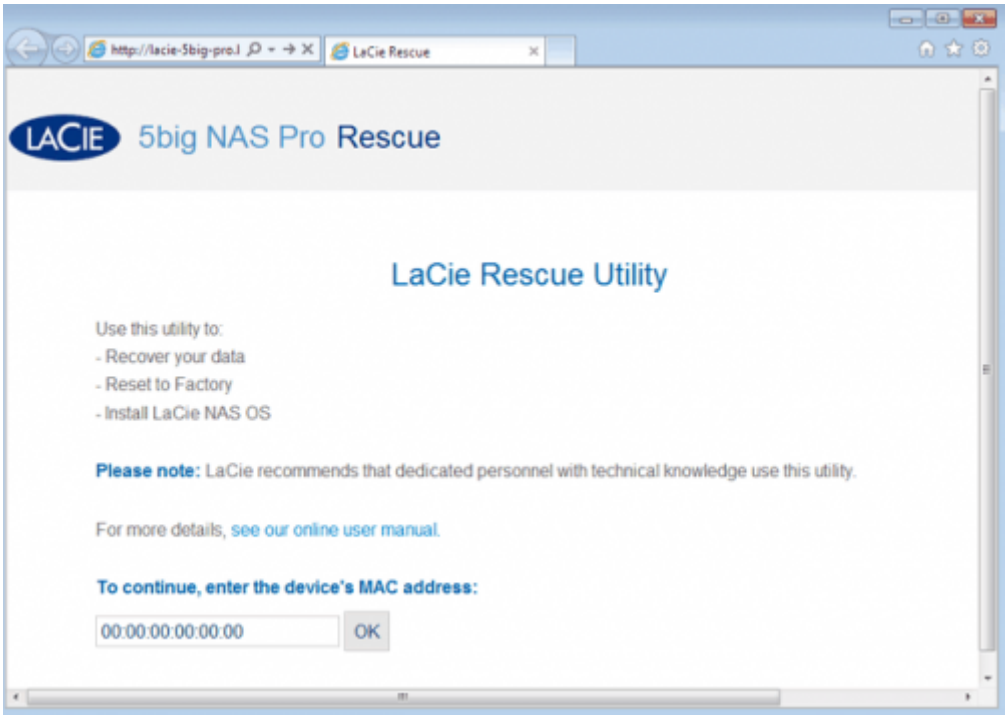
Perform the steps below on a PC/Mac connected to the same network as your LaCie 5big NAS Pro. Please note that, during this process, **the hard disks you have inserted into the 5big NAS Pro will be formatted and all data deleted**.

1. Launch your preferred internet browser and type the default address for the LaCie 5big NAS Pro:
   - *Windows XP* - http:\\lacie-5big-pro
   - *Windows Vista / 7 / 8 and Mac OS* - http:\\lacie-5big-pro.local.



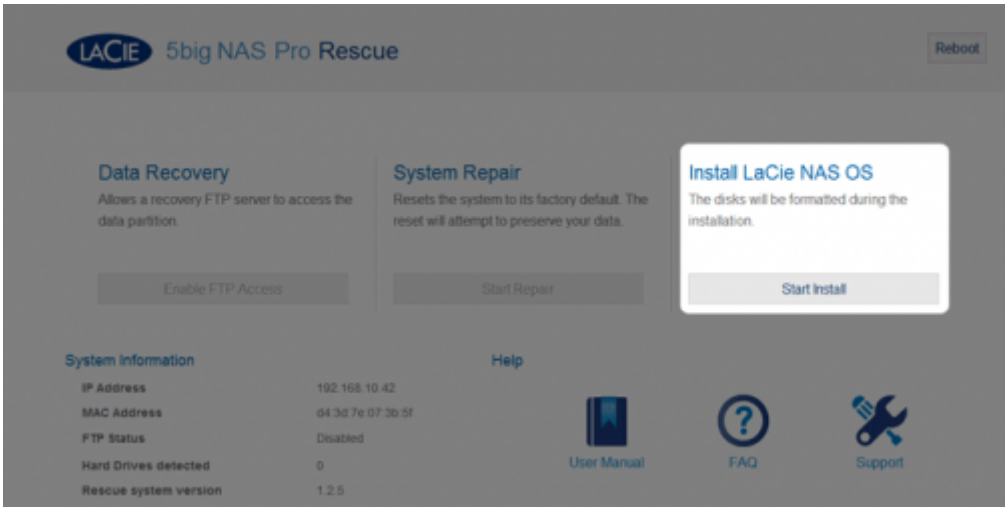
   Certain versions of Windows may require the name of the device only, similar to Windows XP. If you do not connect to your device, please try http:\\lacie-5big-pro. See note below on IP address if you continue to have problems.

2. The LaCie 5big NAS Pro Rescue wizard will appear.

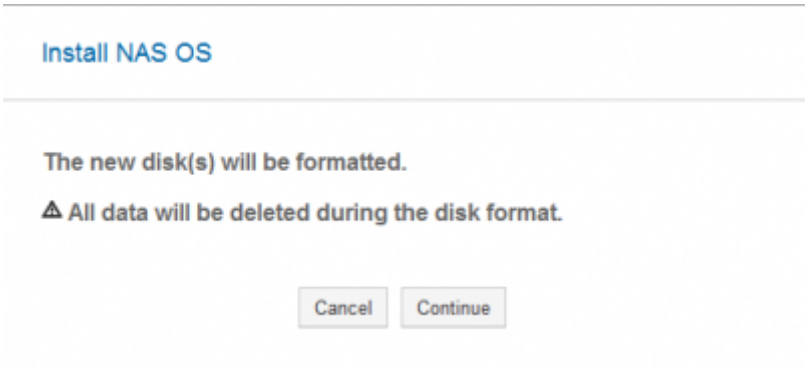

LaCie Rescue
5big NAS Pro Rescue
LaCie Rescue Utility
Use this utility to:
- Recover your data
- Reset to Factory
- Install LaCie NAS OS
Please note: LaCie recommends that dedicated personnel with technical knowledge use this utility.
For more details, see our online user manual.
To continue, enter the device's MAC address:
00:00:00:00:00:00
OK

3. To continue, enter one of the MAC addresses that you noted in Step 1. It is not necessary to enter the colons.

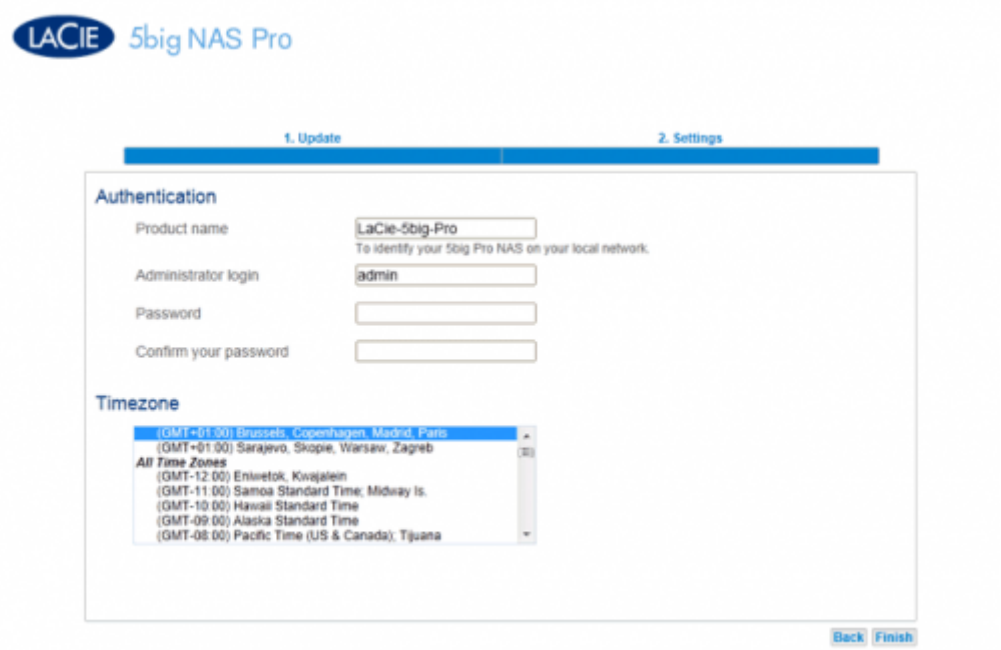
4. Click **Start Install**.



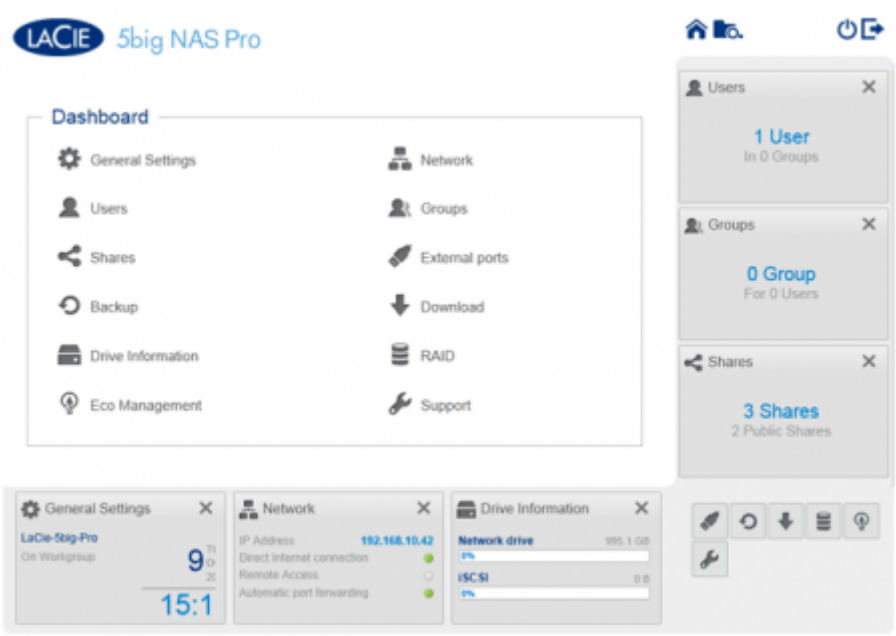
5. Click **Continue** at the prompt to install LaCie NAS OS on the hard disk(s). To accommodate the installation, **all data stored on the hard disks will be deleted.**



6. It will take approximately five minutes to format the hard drive(s) and install LaCie NAS OS. Once it is finished, the Dashboard will prompt you to create an administrator password. You may also change:
   - The default name of the device (*LaCie-5big-Pro*).
   - The default administrator login (*admin*).
   - Your time zone.



7. Click **Finish** to access the Dashboard Home page. You may remove the LaCie USB Key from the device. Please keep it in a safe location for future use.



Note on IP Address: If you cannot reach the setup wizard using the name of the device, please connect a VGA monitor to the VGA port located on the back of the 5big NAS Pro. Following the initial boot process, the system will indicate MAC and IP addresses. If the monitor is receiving a signal but the image is black, try connecting a USB keyboard to one of the USB ports on the back of the device. The system may have reverted to energy conservation mode which you can exit by striking one of the keys on the USB keyboard.

Next Steps

- **Simplify access to your LaCie NAS:** LaCie highly recommends that you install the utility *LaCie Network Assistant* before moving forward with the device configuration. LaCie Network Assistant gives you instant information on your LaCie NAS, such as firmware version, IP address, and hardware address. It will also provide quick access to shares (volumes) and the Dashboard. See LaCie Network Assistant for instructions.
- **Configure your LaCie NAS:** For details on how to configure and use your LaCie 5big NAS Pro, go to Dashboard (Administration) or Access and Transfer Files.
- **Connect your LaCie NAS to Wuala Secure Cloud Storage:** Enhance your data workflow with Wuala by LaCie. Wuala is secure cloud storage that gives you access to your LaCie NAS from any computer with a connection to the internet. Further, Wuala uses high-end encryption to guarantee that no one, not even LaCie, can access your files. See Wuala Secure Cloud Storage for details.

ACCESS AND TRANSFER FILES

ABOUT DEFAULT SHARES

A *share* is a network volume that you can configure to store and share data. Your 5big NAS Pro has two shares by default: ***admin*** and **Public**. Please note that the share *admin* will change to the name used by the administrator. For example, if the administrator changes the default login “admin” to “John”, the share *admin* will become *John*.

The following table sums up the differences between them:

Name	Accessibility	Login	Availability
admin	Private, accessible only to the administrator by default. The name of the share is the same used by the administrator when first logging on to the Dashboard (Dashboard (Administration)).	Password-protected	When connected to the network (Ethernet) and to networked computers
Public	Public, accessible to any user on the network.	None	When connected to the network (Ethernet) and to networked computers or UPnP/DLNA-certified players/adapters (if multimedia service is activated at the global and share level)

It is also possible to create new shares and/or to delete the default shares. See Manage Shares for details.

ACCESS SHARES

You have several options for accessing shares on your 5big NAS Pro.

Option 1: LaCie Network Assistant - Quick Share Access

Use LaCie Network Assistant for quick access to public shares. See Quick Access for details.

Option 2: LaCie Network Assistant - Authenticate for Private Shares

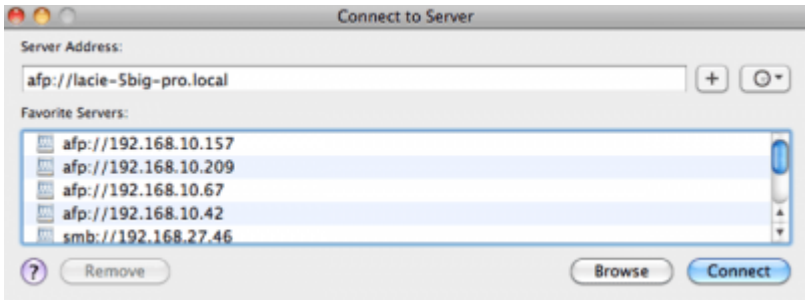
Use LaCie Network Assistant to enter your username and password. See Authenticate Private Shares for details.

Option 3: Operating System

Use your operating system to open your LaCie NAS's shares.

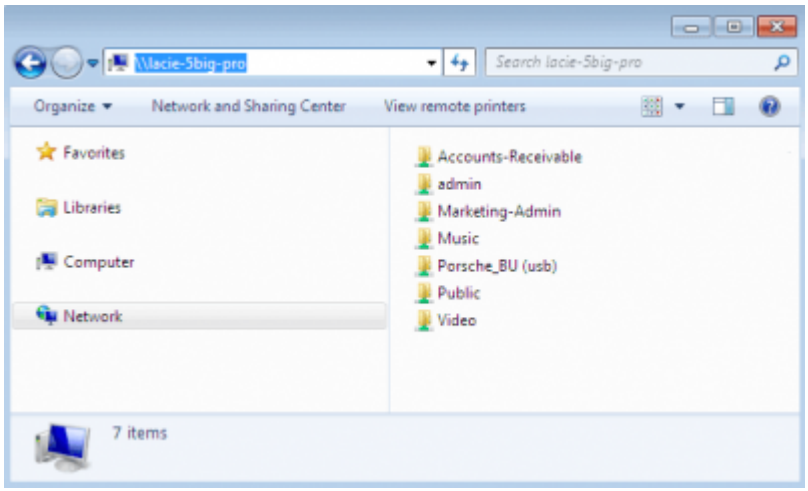
Mac Users

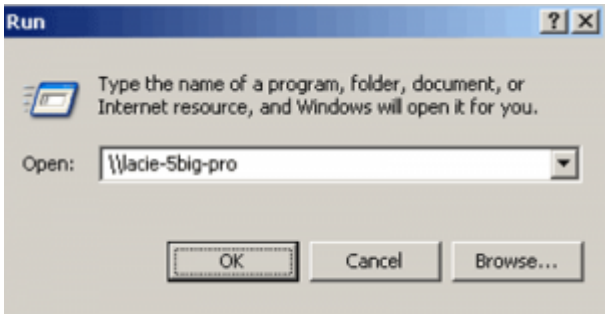
1. In your Finder, navigate to **Go > Connect to Server**.
2. In the dialogue window that opens, type one of the following:
   afp://[machine name].local
   smb://[machine name].local
   afp://[IP address]
   smb://[IP address]



Windows XP, Windows 7, and Vista Users

1. In an Explorer window address field, type **\\[machine name]** or **\\[IP address]]** and click **Go**. Alternatively, from the Start menu, click **Run**, type **\\[machine name]** or **\\[IP address]]** and click **OK**.





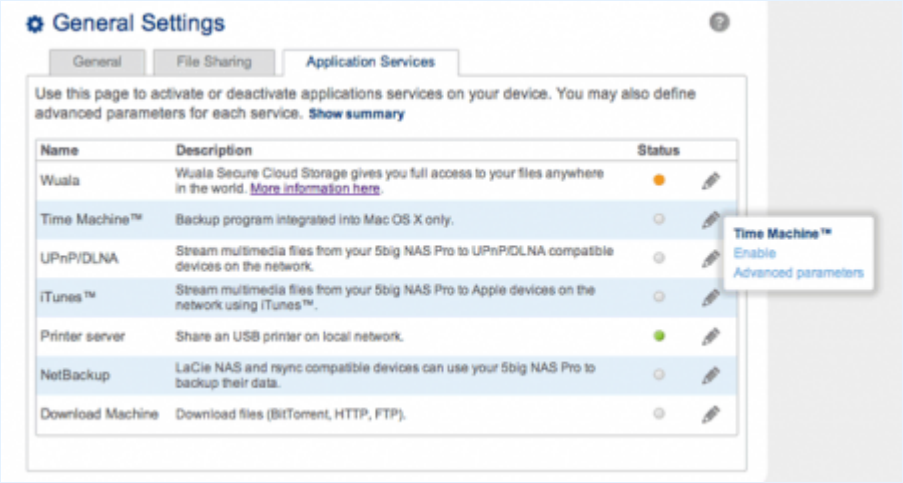
USING BACKUP SOFTWARE

Your LaCie NAS is fully compatible with popular backup solutions such as:

- Windows Backup and Restore® and Genie Timeline® (Windows)
- Time Machine® and Intego Backup (Mac)

A share on your NAS can be set as a backup target for these software. Please make certain that the user has access to the target share meant for his computer.

Note on Time Machine: Time Machine must be enabled on your LaCie NAS before it can be used as backup software. Go to **Dashboard > General Settings > Application Services** to review the Time Machine service. See General Settings for instructions on enabling a service.


General Settings
General
File Sharing
Application Services
Use this page to activate or deactivate applications services on your device. You may also define advanced parameters for each service. Show summary
Name
Description
Status
Wuala
Wuala Secure Cloud Storage gives you full access to your files anywhere in the world. More information here.
Time Machine™
Backup program integrated into Mac OS X only.
UPnP/DLNA
Stream multimedia files from your 5big NAS Pro to UPnP/DLNA compatible devices on the network.
iTunes™
Stream multimedia files from your 5big NAS Pro to Apple devices on the network using iTunes™.
Printer server
Share an USB printer on local network.
NetBackup
LaCie NAS and rsync compatible devices can use your 5big NAS Pro to backup their data.
Download Machine
Download files (BitTorrent, HTTP, FTP).
Time Machine™
Enable
Advanced parameters

LACIE NETWORK ASSISTANT

LaCie Network Assistant is a software utility that will help you access and manage your LaCie 5big NAS Pro as well as other LaCie storage that may be connected to your network. Use LaCie Network Assistant for instant information on the device's:

- IP address
- Version of software/firmware
- MAC address (hardware ID number)

LaCie Network Assistant can also help you:

- Launch the Dashboard
- Mount one or more shares (volumes)
- Auto-mount one or more shares

INSTALL LACIE NETWORK ASSISTANT

Important info on LaCie Network Assistant and LAN Ports: LaCie Network Assistant works with configurations in which LAN 1 is connected to the network and acts as the primary port. Its features are not available if LAN 2 is the sole port connected to the network For example, LaCie Network Assistant supports the following LaCie 5big NAS Pro Ethernet configurations:

- LAN 1 Ethernet port only
- LAN 1 and LAN 2 Ethernet ports (port aggregation)

You have two options for installing LaCie Network Assistant:

1. Run the installer on the included CD.
2. Download the latest version from the LaCie website. If you have installed LaCie Network Assistant before purchasing this LaCie product, make sure that you've downloaded and installed the latest version from the LaCie website

Install - CD-ROM

1. Insert the Utilities CD-ROM into your computer's CD-ROM drive.
2. Double-click **LaCie Network Assistant Setup**.
3. Follow the wizard to complete the installation.

Install - LaCie Website

Download LaCie Network Assistant from here, then follow the easy installation directions.

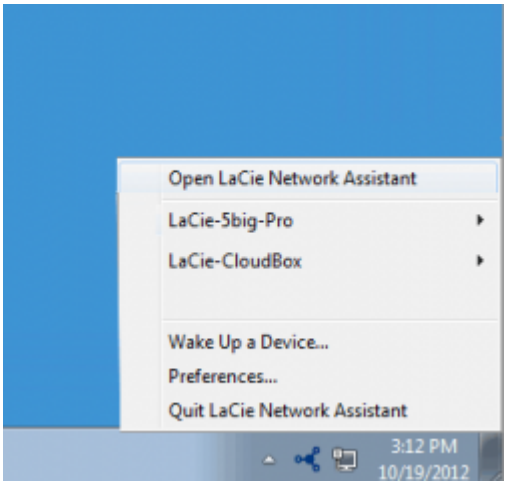
LAUNCH LACIE NETWORK ASSISTANT

- **Windows Users:**
  1. Select LaCie Network Assistant in **Start > All Programs/Programs**. The application icon will appear in the system tray and LaCie Network Assistant will automatically detect your LaCie device on the network.
  2. Right-click on the icon in the system tray.

- **Mac Users:**
  1. Select LaCie Network Assistant at **Go > Applications > LaCie Network Assistant**. The application icon will appear in the menu bar and LaCie Network Assistant will automatically detect your LaCie device on the network.
  2. Click on the icon in the menu bar.

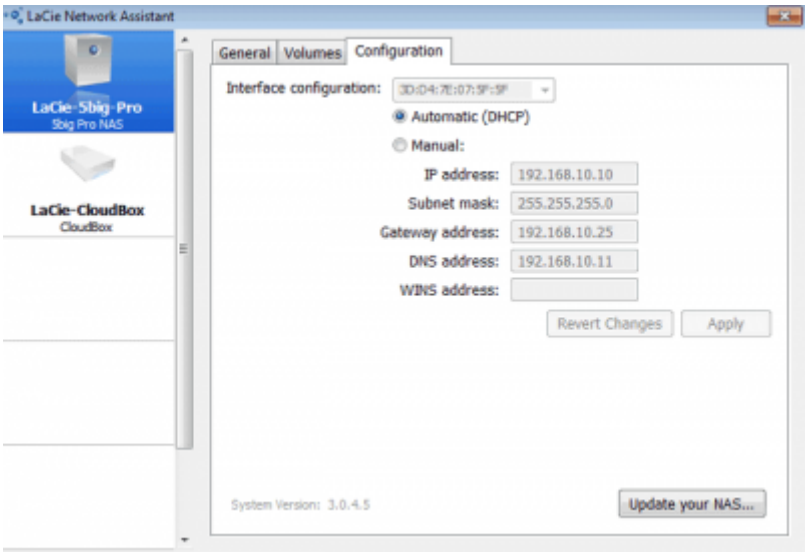
FIND THE IP ADDRESS

1. Launch LaCie Network Assistant.
2. **Windows Users:** Click on the LaCie Network Assistant icon to select **Open LaCie Network Assistant**.



Mac Users: Click on the LaCie Network Assistant icon in the menu bar to select **Open LaCie Network Assistant...**

3. If you have more than one LaCie network device, select the LaCie 5big NAS Pro from the list of devices in the left-hand column.
4. Click the **Configuration** tab.



5. Review the device's:
   - IP address
   - MAC address (hardware ID)
   - Version of software

LAUNCH THE DASHBOARD WITH LACIE NETWORK ASSISTANT

1. Launch LaCie Network Assistant:
   - **Windows Users:** Right-click on the LaCie Network Assistant icon in the system tray.

   - **Mac Users:** Click on the LaCie Network Assistant icon in the menu bar.

2. Select your LaCie NAS, then **Web access**.
3. The Dashboard login page will launch in an internet browser.

MOUNT SHARES

LaCie Network Assistant gives you many options to access your LaCie NAS's public and private shares.

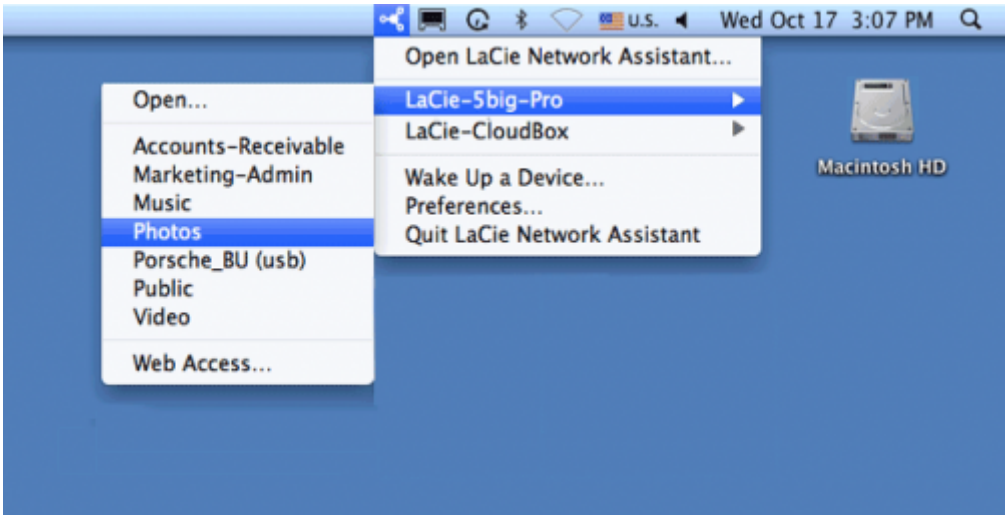
Quick Access

1. Launch LaCie Network Assistant. Please note that LaCie Network Assistant will automatically detect your LaCie product on the network (see LaCie Network Assistant for details).
   - **Windows Users:**
     1. Select LaCie Network Assistant in **Start/Programs**. A LaCie Network Assistant icon will appear in the system tray.
     2. Right-click on the icon in the system tray.

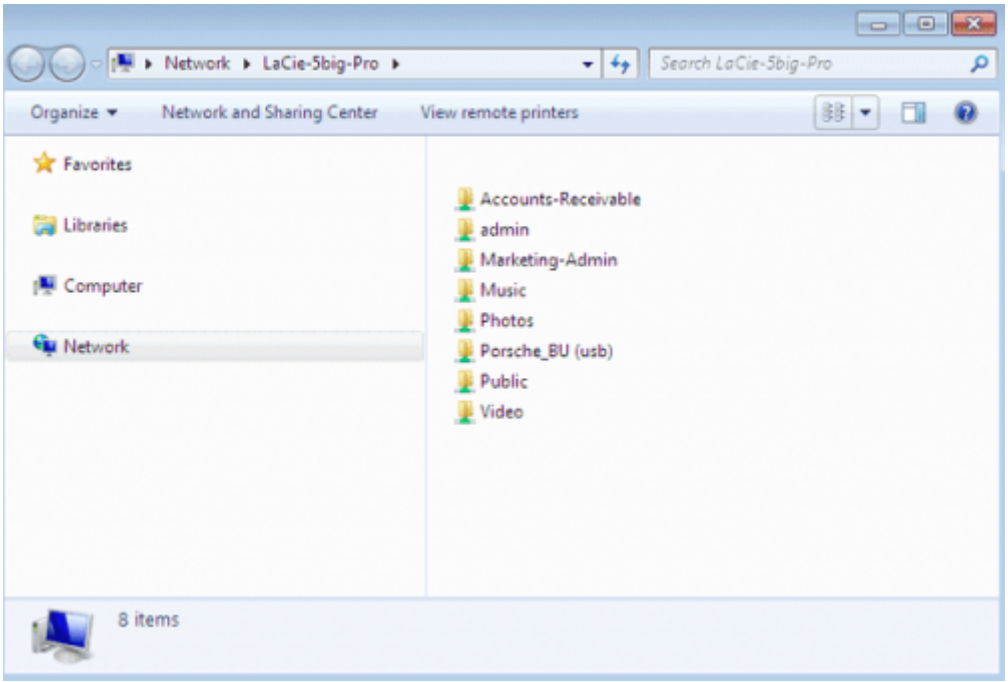
   - **Mac Users:**

1. Select LaCie Network Assistant in your **Applications** folder. A LaCie Network Assistant icon will appear in the menu bar.
2. Click on the icon in the menu bar.

2. Under your LaCie NAS's machine name, choose the share you want to access.



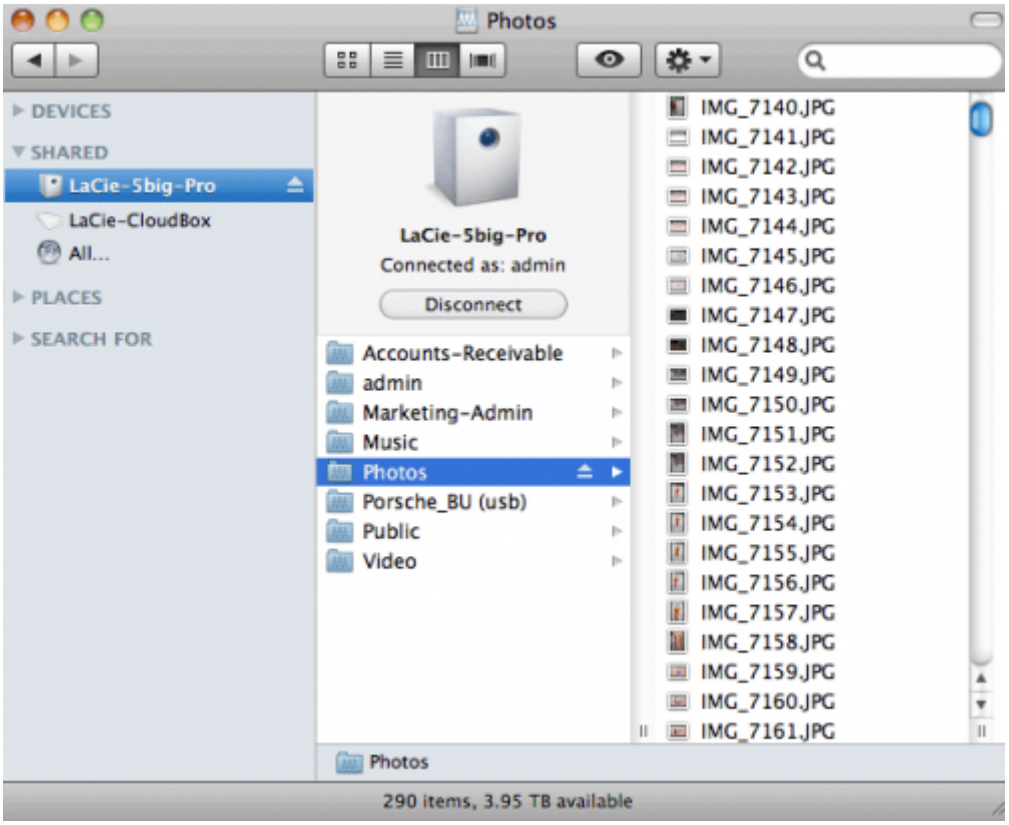
3. The share will open in an Explorer window (Windows) or a Finder window (Mac).



4. Public shares are available to everyone on the network. Private shares will prompt a user for a username and password. The administrator should use the credentials created during the initial setup or Dashboard login

(see Connect to your Network/Connect to your Network - Diskless LaCie 5big NAS Pro and Dashboard (Administration)). A user should type the login and password prepared by the administrator (see Manage Users).

5. Transfer files normally between your computer and the share. Mac users: If the share does not open in a Finder window, simply navigate in the Finder to **SHARED > [machine name] > [share name]**.



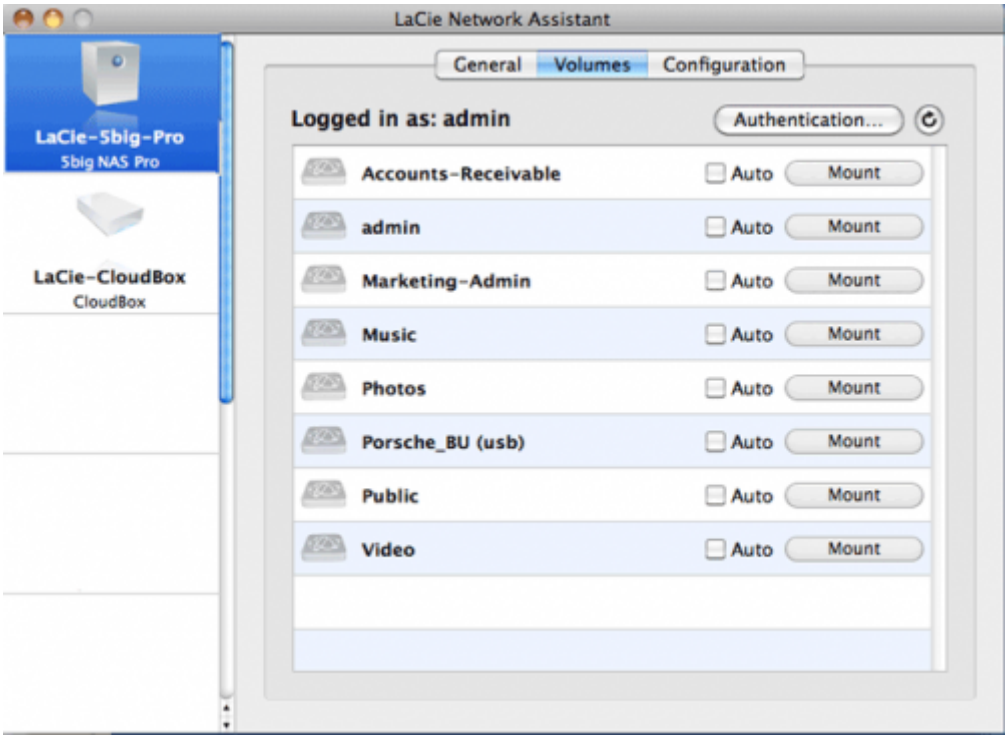
Note on Quick Access to shares: Private shares require a valid username and password (see Authenticate for Private Shares).

Mount

1. Launch LaCie Network Assistant:
   - **Windows Users:**
     1. Select LaCie Network Assistant in **Start/Programs**. A LaCie Network Assistant icon will appear in the system tray (LaCie Network Assistant will automatically detects your LaCie product on the network).
     2. Right-click on the icon in the system tray.

   - **Mac Users:**
     1. Select LaCie Network Assistant in your **Applications** folder. A LaCie Network Assistant icon will appear in the menu bar (LaCie Network Assistant automatically detects your LaCie product on the network).
     2. Click on the icon in the menu bar.

2. Right-click the icon in the system tray (Windows) or click the icon in the menu bar (Mac) and select **Open LaCie Network Assistant**.
3. Select your LaCie NAS's machine name from the list of devices in the left-hand column, then click the **Volumes** tab.



4. Double-click the share you wish to access. The share will open in an Explorer window (Windows) or a Finder

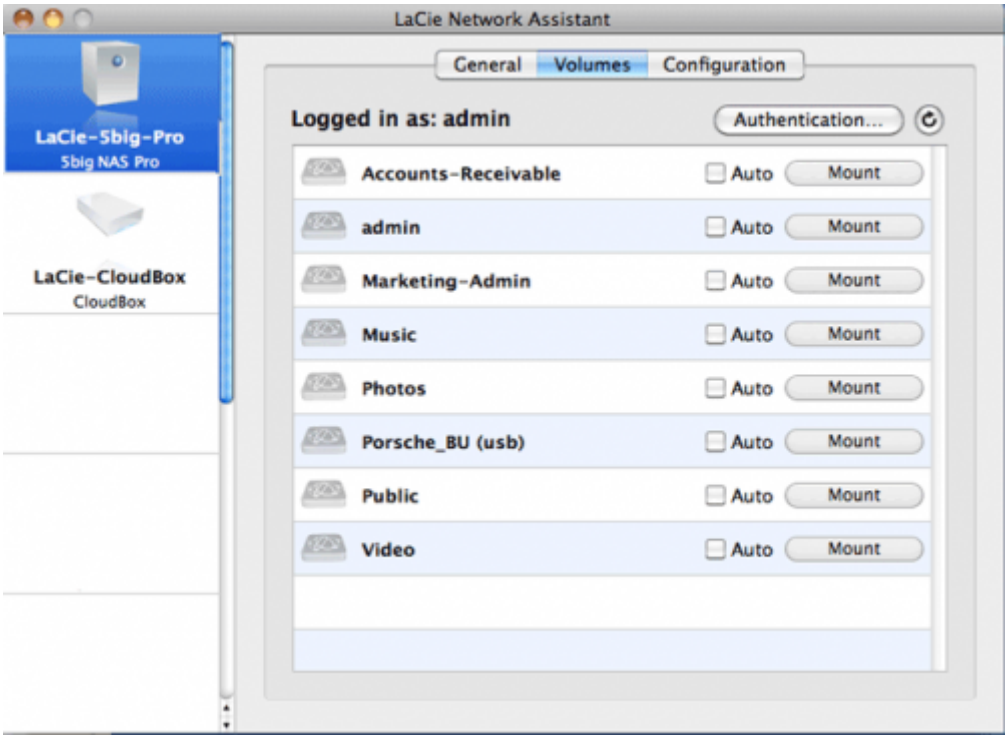
window (Mac). Transfer files normally from your computer to the share.

Technical note: Mac users: If the share does not open in a Finder window, simply navigate in the Finder to **Network > [machine name] > [share name]**.

Note on mounting shares: Private shares require a valid username and password (see Authenticate for Private Shares).

Authenticate Private Shares

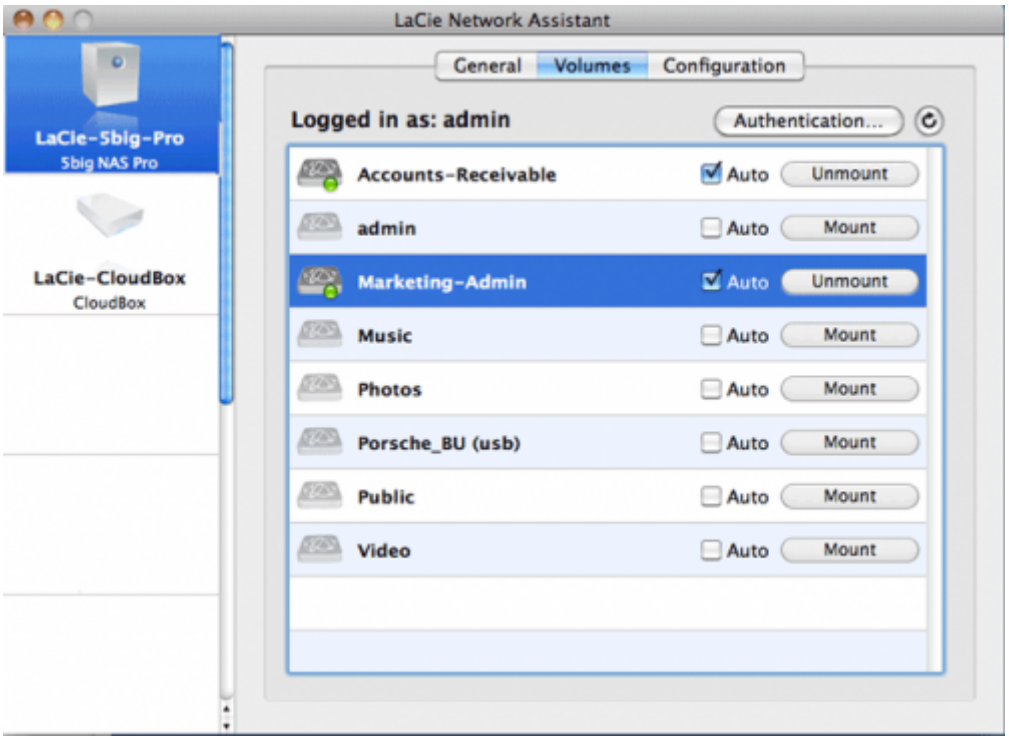
1. Launch LaCie Network Assistant:
   - **Windows Users:** Click on the LaCie Network Assistant icon.
   - **Mac Users:** Click on the LaCie Network Assistant icon in the menu bar to select **Open LaCie Network Assistant...**
2. If you have more than one LaCie NAS, select the device you wish to access from the list in the left-hand column.
3. Click the **Volumes** tab.



4. Click **Authentication...**
5. In the pop-up window, choose **Registered User** and enter your Username and Password. Click **OK**.
6. All available shares will appear in the list of volumes.
7. Click on **Mount as drive** (Windows) or **Mount** (Mac) to open the share.
8. The share will be available in an Explorer window (Windows) or a Finder window (Mac).

Auto-Mount

1. Launch LaCie Network Assistant.
2. Select your operating system:
   - **Windows Users:** Click on the LaCie Network Assistant icon.
   - **Mac Users:** Click on the LaCie Network Assistant icon in the menu bar to select **Open LaCie Network Assistant...**
3. If you have more than one LaCie NAS, select the device you wish to access from the list in the left-hand column.
4. Click the **Volumes** tab.
5. If the share you wish to auto-mount is private, click **Authentication...** to enter your credentials. In the pop-up window, choose **Registered User** and enter the Username and Password for the share. Click **OK**. All available shares will appear in the list of volumes.
6. Click on the checkbox for **Auto** to open the share. The share will now mount each time you boot the computer. To cancel auto-mount, uncheck the box for **Auto**.



7. **PC users:** The share will mount in **My Computer/Computer** automatically when the computer detects it on the network.
   Mac users: The share volume icon will appear on your desktop and in your Finder automatically when the computer detects it on the network.

CREATING SHORTCUTS TO SHARES

Once you successfully set up your LaCie NAS, you can create shortcuts so you can quickly access stored files. You can do this by using your operating system or LaCie Network Assistant.

CREATE SHORTCUT USING LACIE NETWORK ASSISTANT

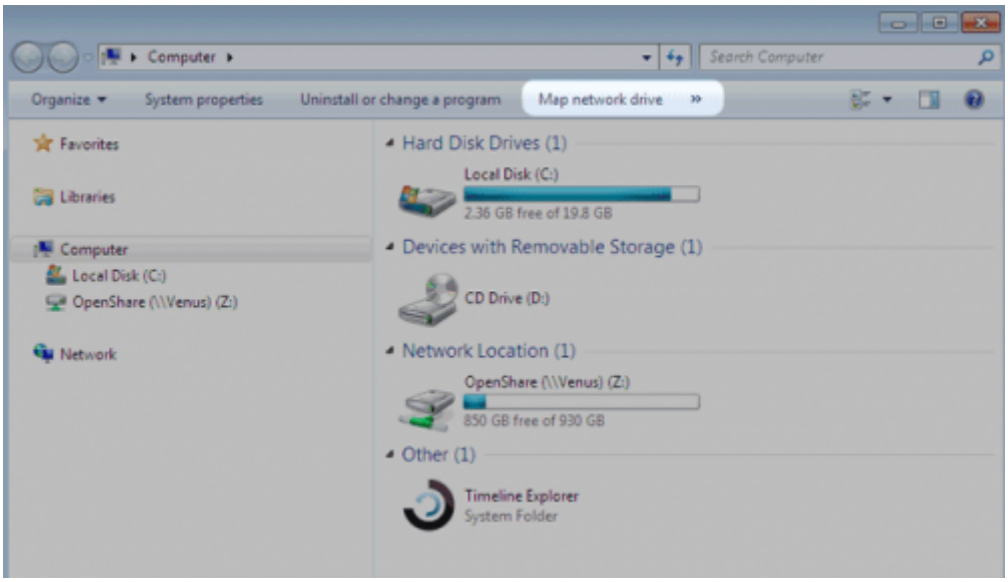
LaCie Network Assistant can be configured to automatically mount shares on your computer, which allows you quick access to the files they store. See Auto-Mount for details.

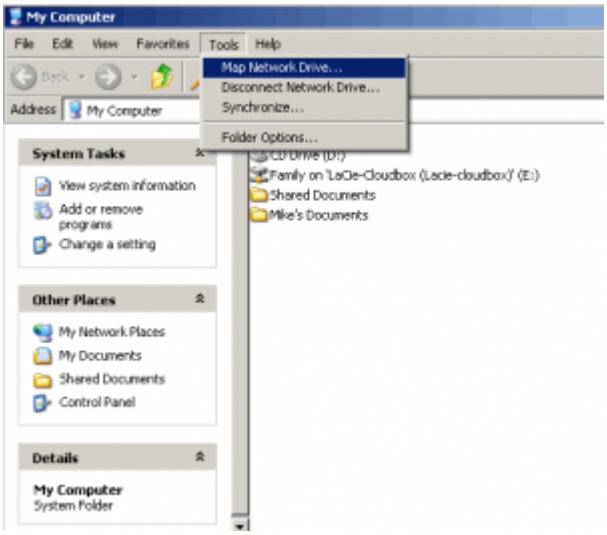
CREATE SHORTCUT USING OPERATING SYSTEM

If you would like a shortcut to accessing shares, follow this procedure.

Windows XP, Vista, and Windows 7 Users

1. From an Explorer window in Windows XP, select **Tools > Map Network Drive**. For Windows Vista and Windows 7, open an Explorer window, navigate to **Computer**, and click **Map Network Drive**.

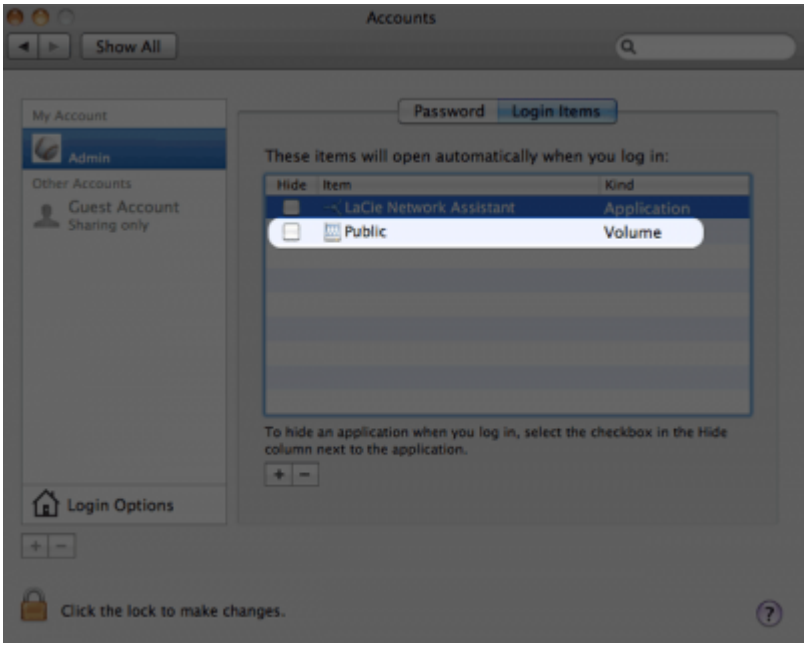




2. Browse to and select the share you wish to auto mount.
3. Windows will offer the option to mount the share each time you log on to the computer.
4. Repeat steps 1-3 for other shares.

Mac Users

1. Open a new Finder window. On the left of the window, navigate to **Shared > [machine name] > [share]**. If prompted, type in your username and password and click **Connect**.
2. Repeat step 1 for each share.
3. To mount the share automatically each time you log on to you computer:
   1. From the Apple icon in the menu bar, select **System Preferences > Accounts > Login Items**.
   2. Click on the ”+” sign to add a new item to the list and browse for the share. Please note that the shares must be mounted in order to add them to the list.



   3. When you log on to the Mac OS, the share(s) will automatically mount on your desktop (as long as youyour

Finder is configured to display connected servers on your desktop).

MEDIA (UPNP/DLNA) SERVERS

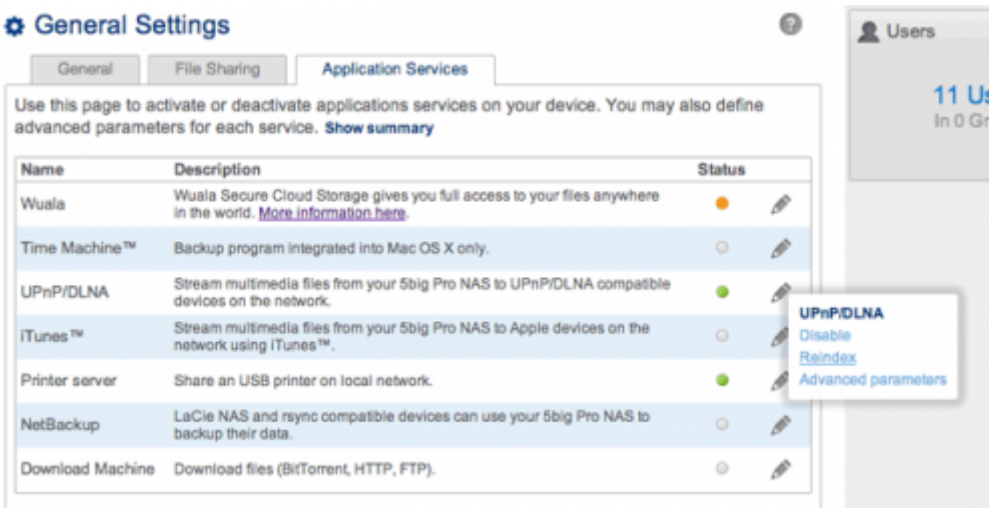
You can configure your LaCie NAS to share files (read-only) with UPnP/DLNA devices connected to the same network. Follow these steps:

1. Make sure your LaCie NAS is connected to your network as described in Connect to your Network.
2. Enable the UPnP/DLNA service from the Dashboard > General Settings > Application Services tab (see General Settings).
3. Now you will be able to play files located on your NAS' share onto any other UPnP/DLNA-certified player/adapter that is connected to your network (e.g. Xbox 360, PlayStation 3, DLNA mobile phone, etc.).

REINDEX THE MEDIA SERVER

If some files seem missing on your multimedia device, you can force a re-scan of your media files. To do so:

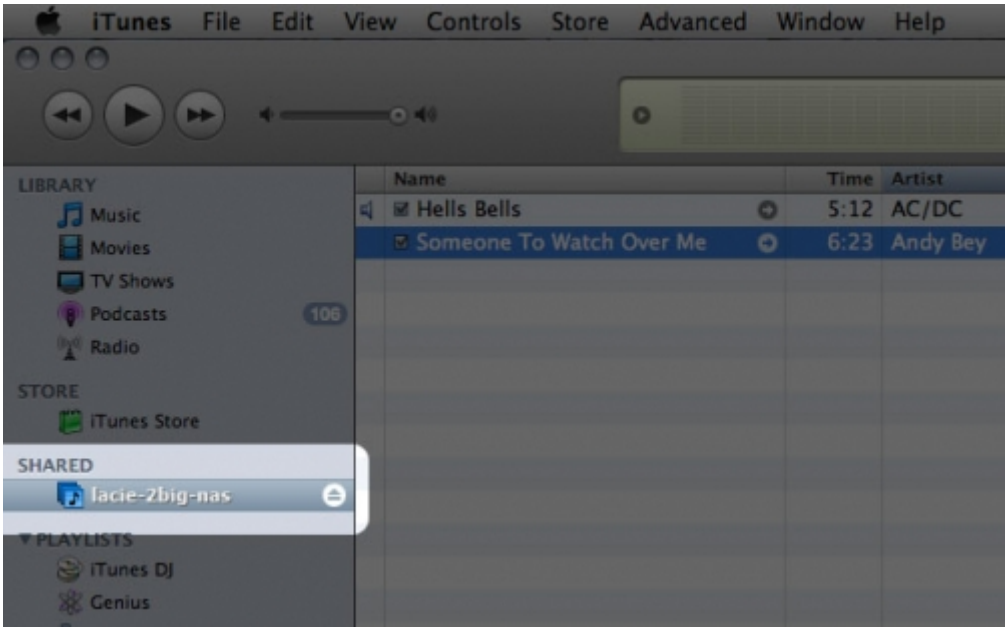
1. Navigate in the Dashboard to the General Settings page, then click the **Application Services** tab.
2. Click the configuration icon in the **UPnP/DLNA** row.
3. Click the **Re-index** link. Note that if you have a lot of multimedia files on your NAS, this process could take more than an hour.


General Settings
General
File Sharing
Application Services
Use this page to activate or deactivate applications services on your device. You may also define advanced parameters for each service. Show summary
Name
Description
Status
Wuala
Wuala Secure Cloud Storage gives you full access to your files anywhere in the world. More information here.
Time Machine™
Backup program integrated into Mac OS X only.
UPnP/DLNA
Stream multimedia files from your 5big Pro NAS to UPnP/DLNA compatible devices on the network.
iTunes™
Stream multimedia files from your 5big Pro NAS to Apple devices on the network using iTunes™.
Printer server
Share an USB printer on local network.
NetBackup
LaCie NAS and rsync compatible devices can use your 5big Pro NAS to backup their data.
Download Machine
Download files (BitTorrent, HTTP, FTP).
Users
UPnP/DLNA
Disable
Reindex
Advanced parameters

ITUNES

Your LaCie NAS can act as an iTunes Music server, streaming audio files to a computer or mobile device on the network. Once configured, a playlist bearing your NAS' machine name will appear in the Shared category within iTunes (PC/Mac) or Music (iOS device), and audio files stored on the NAS will be listed in this playlist. Follow these steps:

1. Make sure your LaCie NAS is connected to your network as described in Connect to your Network.
2. Enable the iTunes service from the Dashboard > General Settings > Application Services tab (see General Settings).
3. In iTunes, make sure Library sharing is enabled in **Preferences > Sharing > Look for shared libraries**.
4. Access the shared playlist in iTunes.

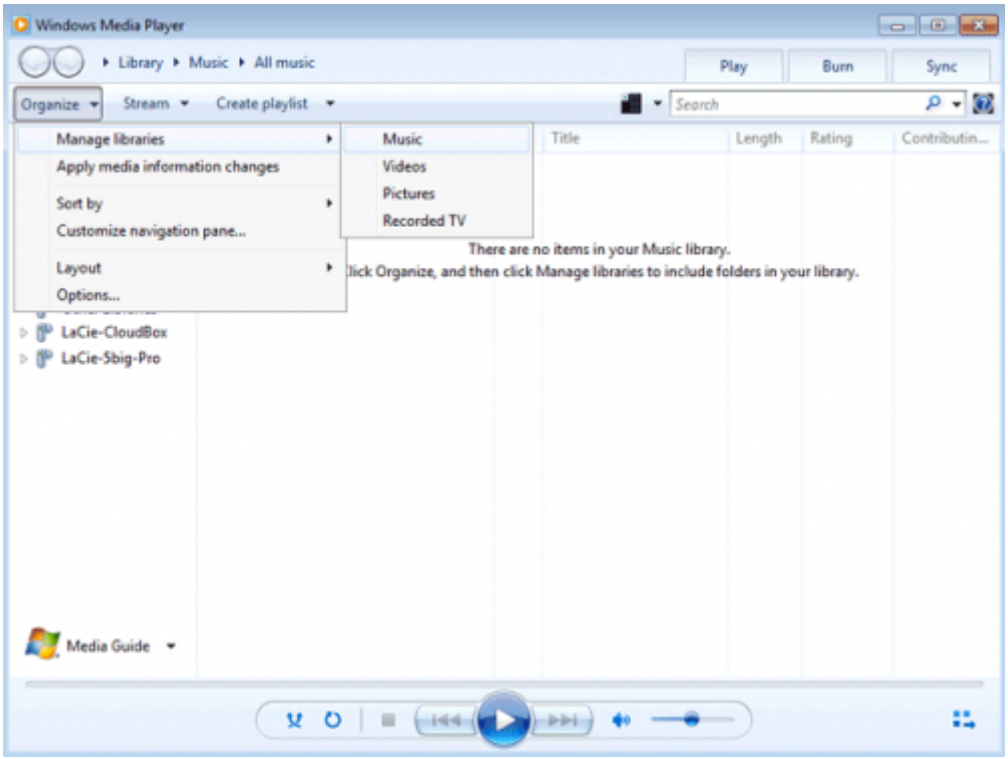


Technical note: The iTunes Server Service supports the following file types: .mp3, .wav, .aac, .pls, and .m3u.

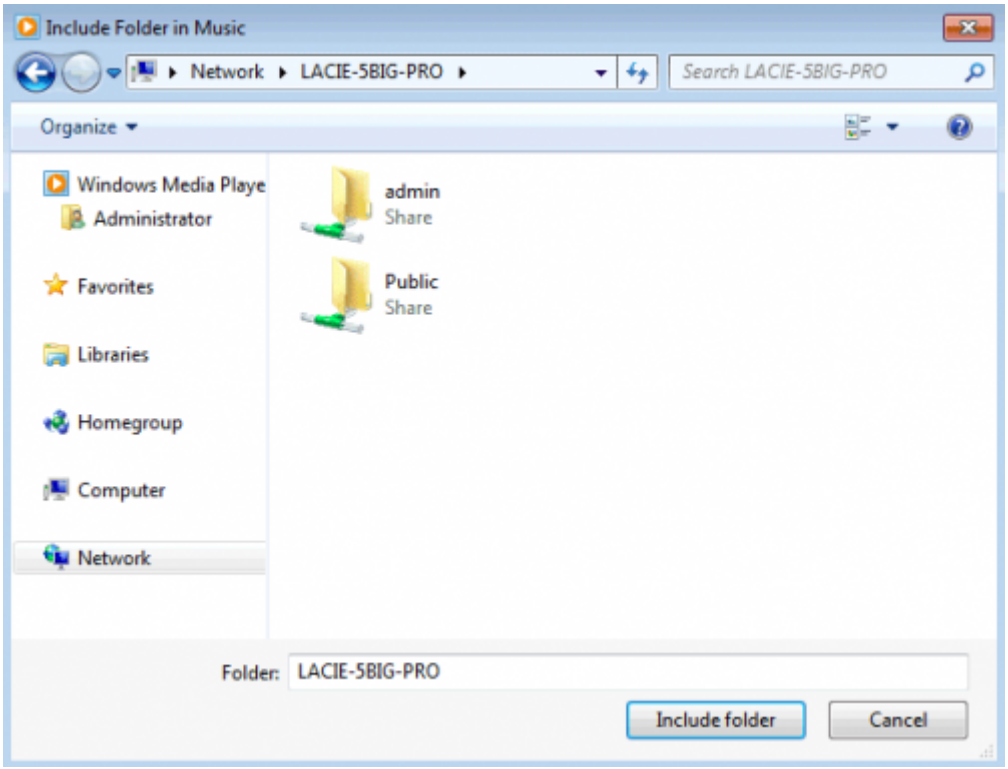
WINDOWS MEDIA PLAYER

Once configured, Windows Media Player (WMP) can play files located on the LaCie NAS through the network connection. Follow these steps:

1. Make sure your LaCie NAS is connected to your network as described in Connect to your Network.
2. Enable the UPnP/DLNA service on the **Application Services** tab of the Dashboard (see General Settings).
3. In WMP, click **Organize > Manage Libraries > Music** (or **Video** or **Pictures**).



4. In the dialogue window, click **Add**, select your NAS' machine name under the Network section, and click **Include Folder**.



5. WMP will begin indexing the media files. Once completed, they will appear in the WMP library.

ACCESSING SHARES VIA FTP

The FTP protocol is used to transfer files from one computer to another via the local network or the internet. This protocol allows you to exchange files with your colleagues, clients, or business partners securely, as only people with a user account will have access. For a detailed explanation of the benefits of using FTP, please see http://en.wikipedia.org/wiki/FTP.

The FTP service is disabled by default but you can enable it on the **Dashboard > General Settings** page (see General Settings).

Once FTP is enabled, the LaCie 5big NAS Pro can be accessed using an internet browser or FTP client software. FTP client software is very helpful if you wish to share, download, and upload data within a dedication application rather than an internet browser. Examples of FTP client software include Filezilla and Cyberduck.

LOCAL FTP ACCESS

To use the FTP service on your local network, enter your LaCie 5big NAS Pro's IP address or device name in the FTP client's address field or in an internet browser's address field (to get the IP address, navigate to the **Dashboard > Network** page).

Public Access Folders (non-password protected):

ftp://[IP-address] (For example, ftp://192.168.10.149)

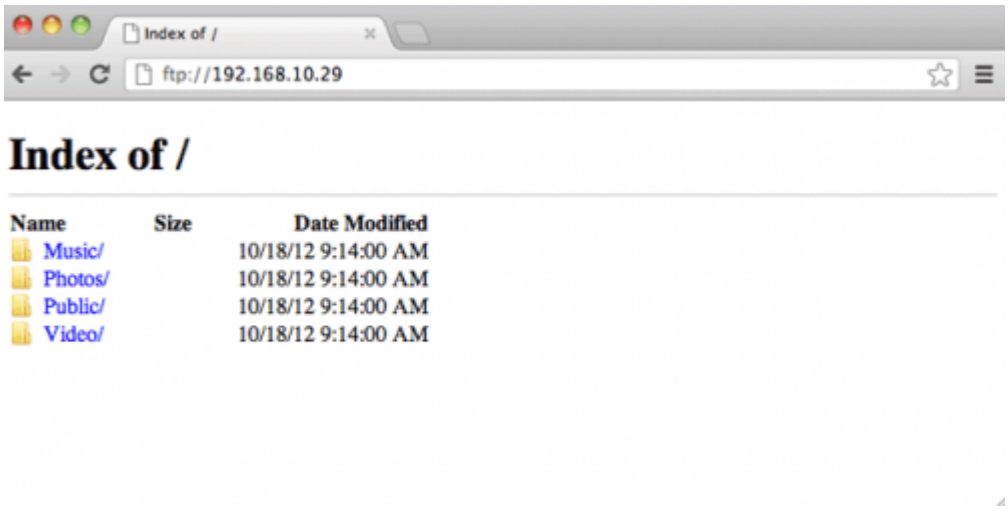
ftp://[machine name]/ (For example, ftp://lacie-5big-pro/ or ftp://lacie-5big-pro.local/)

Private Access Folders (password protected):

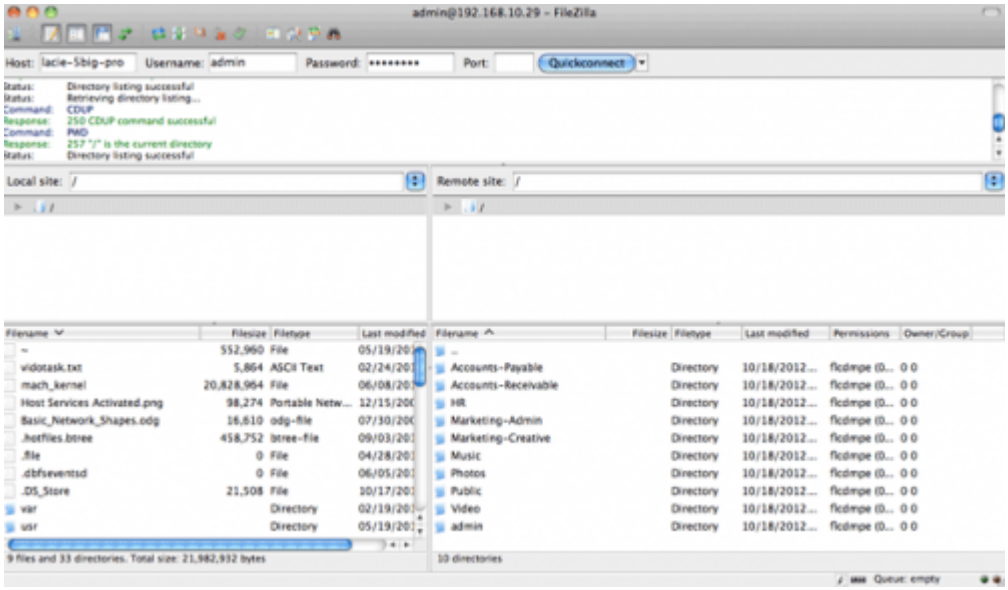
When following the directions below, please note that usernames and passwords can vary depending upon the user. For example, the administrator's username and password are not the same as another user's name and password.

ftp://[username:password@IP-address] (For example, ftp://admin:adminpassword@192.168.10.149)

ftp://[username:password@machine name]/ (For example, ftp://admin:adminpassword@lacie-5big-pro/ or ftp://admin:adminpassword@lacie-5big-pro.local/)



Access files via FTP using an internet browser



Access files via third-party FTP applications

REMOTE FTP ACCESS

You can access and share your LaCie 5big NAS Pro files from a computer outside of your home network. To gain access using FTP, you will need to know your router's public IP address.

1. From a computer on the same local network as the LaCie 5big NAS Pro, visit this page: http://www.whatismyip.com/.
2. Note your public IP address.
3. Launch an internet browser or FTP client software.
4. Within the internet browser or FTP client's address field, type:
   - Public folders only: ftp://[Public IP-address] (For example, ftp://94.10.72.149)
   - Public and private folders: ftp://[username:password@Public IP-address] (For example, ftp://admin:adminpassword@94.10.72.149)

For further information on the public IP address for your router, see your router's user manual or your internet service provider.

ACCESSING SHARES VIA NFS

Network File System (NFS) is a distributed file system protocol allowing a system to share directories and files with others over a network. Like SMB, NFS grants file-level access to users and programs.

NFS is widely distributed to host VMWare datastores or share network folders in a Linux/UNIX environment.

When enabling NFS service on a share, it can be accessed with the following path:

NAS_NAME_OR_IP_ADDRESS:/shares/SHARE_NAME

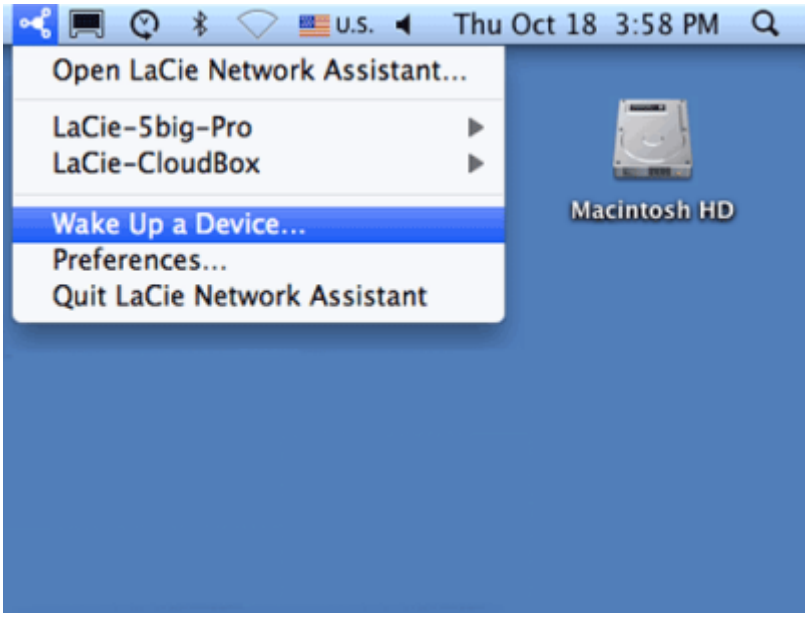
The NFS protocol is not active by default. To activate it, go to **Dashboard > General Settings** to select the **File Sharing** tab (see General Settings). Click on the configuration icon (pencil) to select **Enable**.

WAKE ON LAN (WOL)

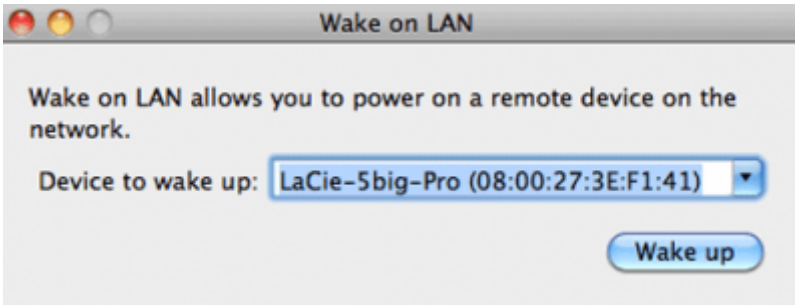
Your LaCie NAS can conserve energy by entering deep sleep mode. Use the Dashboard administration tool to schedule deep sleep mode when no one accesses the NAS and wake it up when your office is ready to work. (See Eco Management for more information on deep sleep mode).

You can also use LaCie Network Assistant to wake your LaCie NAS from deep sleep mode:

1. Click the LNA icon in your system tray (Windows) or menu bar (Mac) and select **Wake Up a Device…**.



2. Choose the NAS product you wish to wake up from the menu.


Wake on LAN
Wake on LAN allows you to power on a remote device on the network.
Device to wake up:
LaCie-5big-Pro (08:00:27:3E:F1:41)
Wake up

3. Click **Wake up**.

DASHBOARD (ADMINISTRATION)

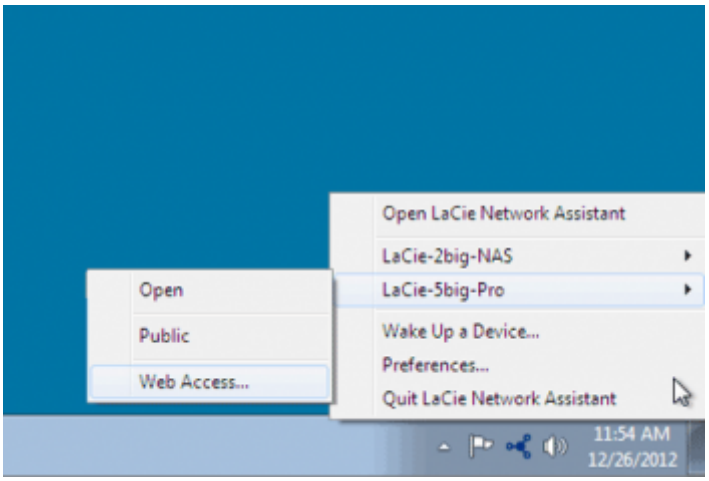
All LaCie NAS feature an easy-to-use browser-based administration tool, called the **Dashboard**, that will allow you to manage users, groups, shares, and the other product features.

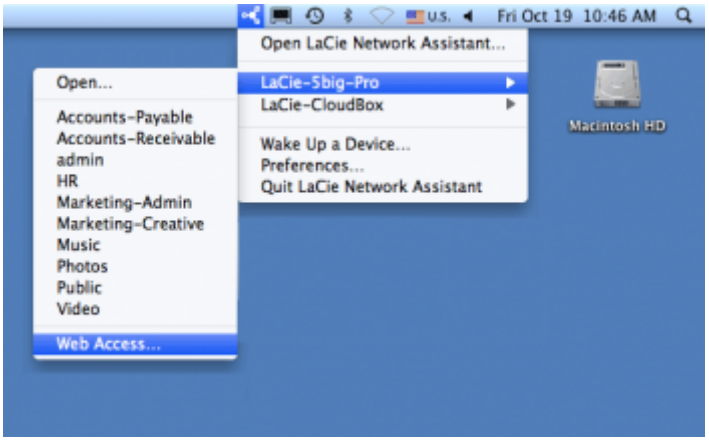
ACCESS THE DASHBOARD

There are two ways to access the Dashboard: LaCie Network Assistant and an internet browser.

Access the Dashboard Using LaCie Network Assistant

1. Click on the LaCie Network Assistant icon in the system tray (Windows users) or menu bar (Mac users) and select **[machine name] > Web Access**.

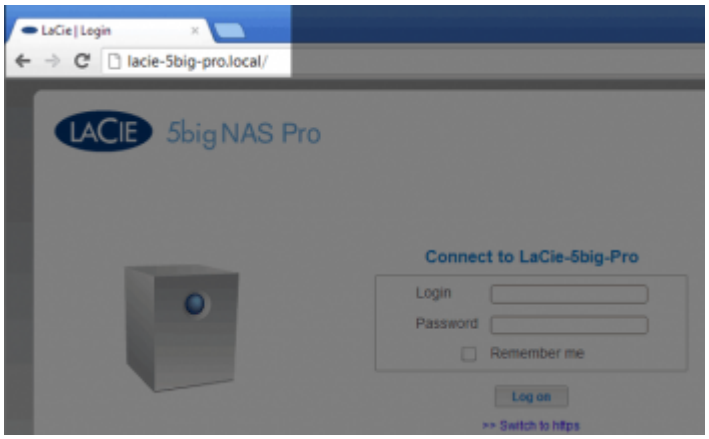


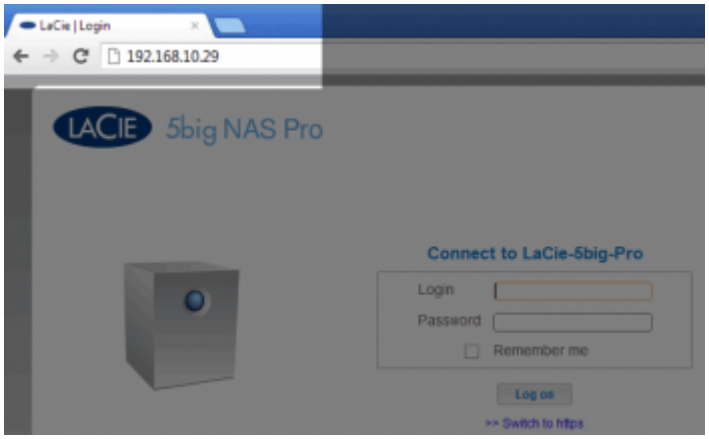


2. The login page will open in a new browser window or tab. If your browser is not open, LaCie Network Assistant will open it for you.

Access the Dashboard Using an Internet Browser

1. Launch your preferred internet browser and type the default address for the LaCie 5big NAS Pro:
   - *Windows XP* - http:\\lacie-5big-pro
   - *Windows Vista / 7 / 8 and Mac OS* - http:\\lacie-5big-pro.local.

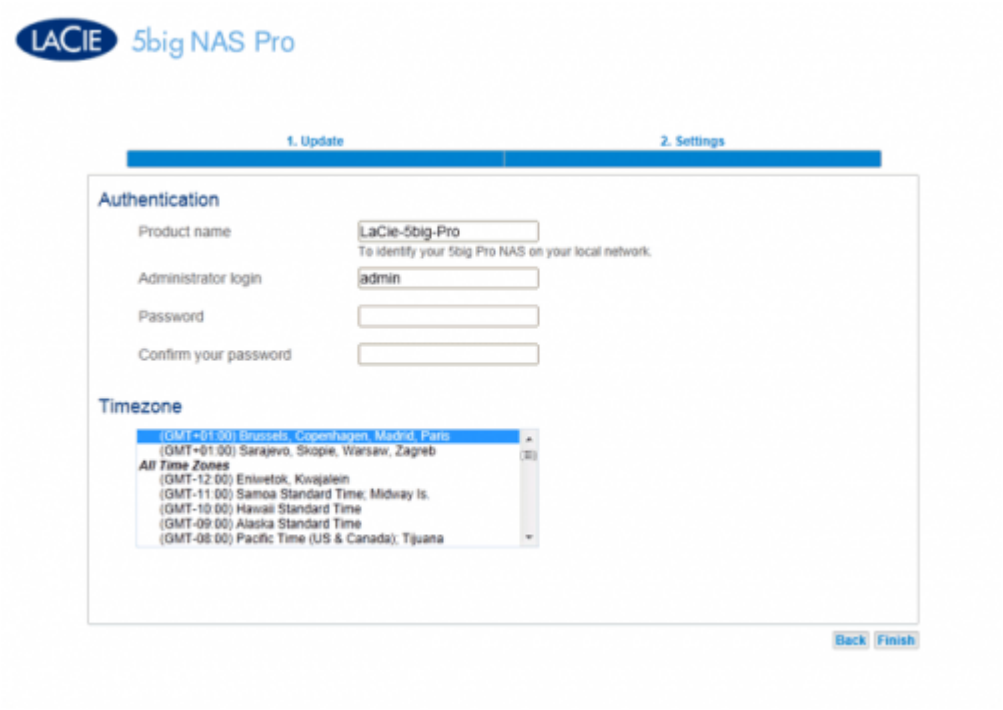




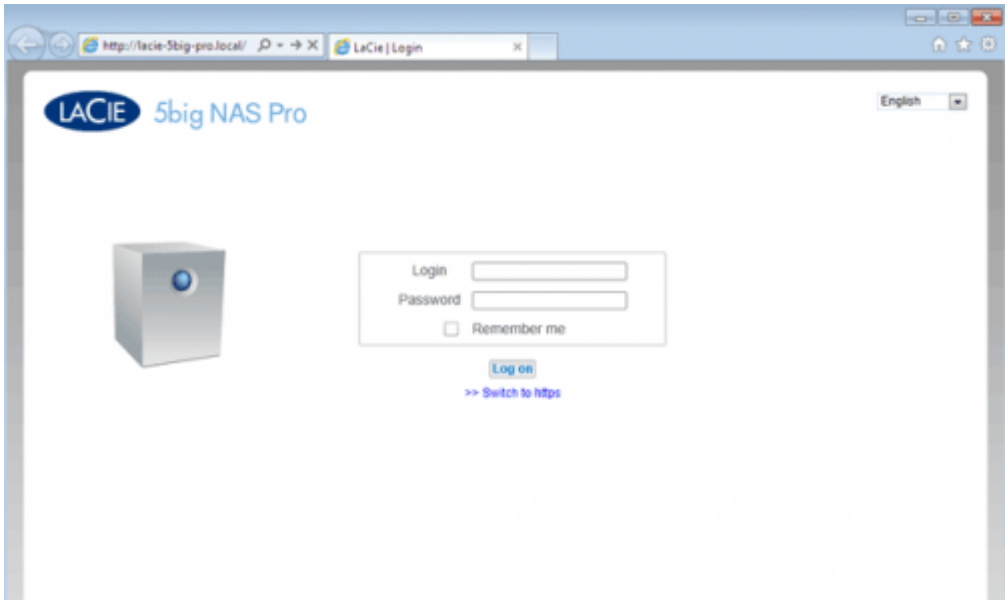
Certain versions of Windows may require the name of the device only, similar to Windows XP. If you do not connect to your device, please try http:\\lacie-5big-pro.

LOG IN

The first time you access the Dashboard, fill in the information in the Setup Wizard. (The password should be from 4-20 alphanumeric characters and symbols, and the username should be from 1-20 alphanumeric characters.)



In subsequent logins, simply type in your username and password in the login prompt. Then click **Log in**.

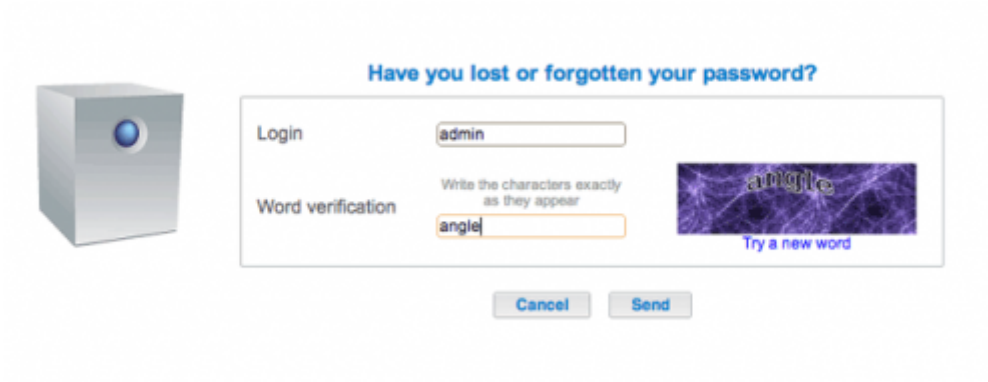


Recover a Lost Password

If a user has forgotten his/her password, it can be recovered as long as an SMTP server has been set up (see Support) and an email address has been input for that user on the Users page (see Manage Users).

1. On the login page, click **Have you lost or forgotten your password?**.

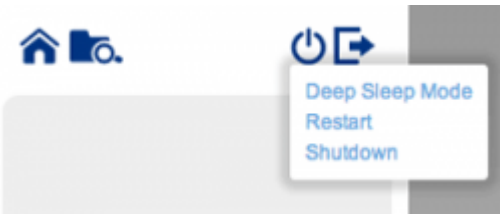
2. On the next page, type in the username. Then type the word you see in the image on the right (this ensures that the request is coming from a person) and click **send**.



3. The email will arrive in the user's email inbox. In the email, click the **Click here** link.
4. In the **Reinitialize your password** screen, type your login, new password, then reconfirm the new password, then click **Send**.

Restart or Deep Sleep Mode

To restart or put the NAS into deep sleep mode, click the power button, then choose between **Restart** and **Deep Sleep Mode**. Note that Deep Sleep Mode must be enabled or the option will not be available (see Eco Management).



Log Out

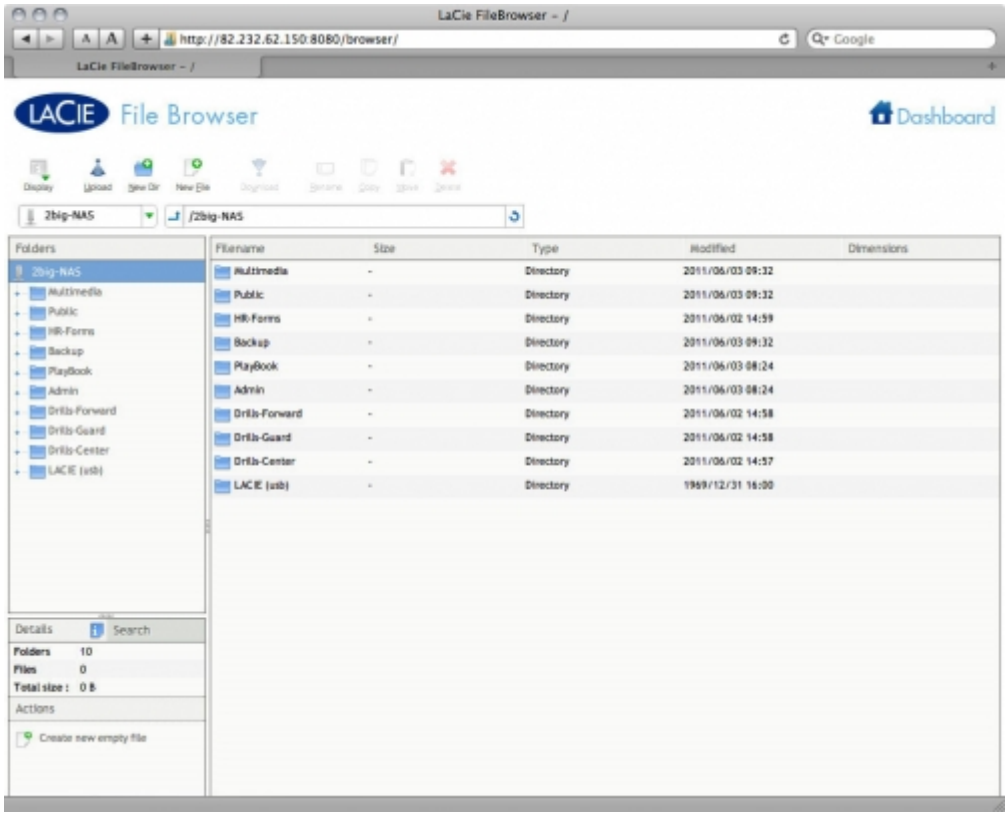
To log out of the Dashboard, click the log out button.

NAVIGATE THE DASHBOARD

The Dashboard is made up of a central area surrounded by widgets, or small boxes that represent the different pages that make up the Dashboard. The widget displays a summary of the information contained in the page. For full information, navigate to the page itself.

- To **navigate to a page**, click the widget below its title; or, drag and drop a widget to the center of the window.
- To **minimize a widget**, click the **X** next to its title.
- To **expand a minimized widget**, drag its icon over an expanded widget or to an open widget space.
- To **rearrange widgets**, drag the minimized widget icon or the expanded widget's heading onto the place of another widget.

FILE BROWSER



The Dashboard features an interactive file browser that allows you to manage and transfer files via HTTP. Access the File Browser by clicking its icon in the upper right-hand corner of the Dashboard.

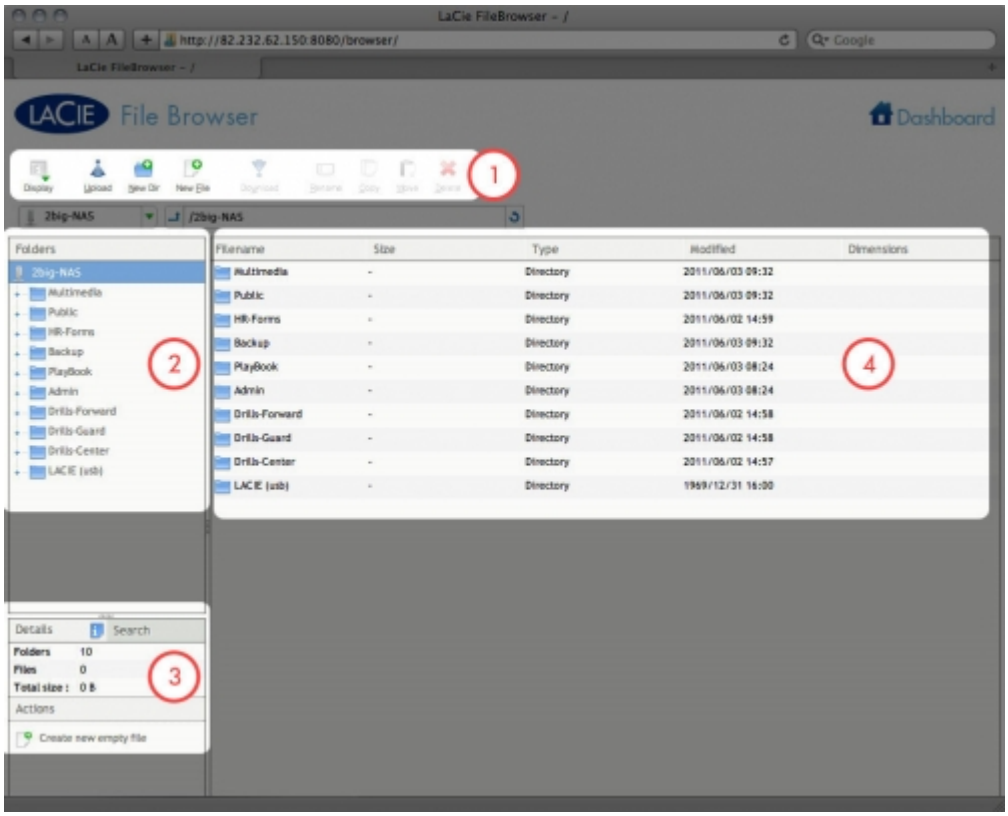
The File Browser allows you to transfer, copy, and delete files, as well as view photos in thumbnails and even stream multimedia content such as mp3 or view photos. It is thus a convenient way to interact with files stored on your external hard drives through the network, whether the connection be through the local network or through the internet (see Remote Access). Also, since the File Browser permits faster file transfer than drag-and-drop (SMB), it is most effective for transferring large files.

The File Browser is composed of four parts:

1. The toolbar allows you to perform a range of functions, such as changing the way files are displayed and uploading files to streaming files and creating folders.
2. **Folders** shows the folder structure on the selected share.
3. **Details** displays information on a selected file, such as name, thumbnail (image files), file type, dimensions

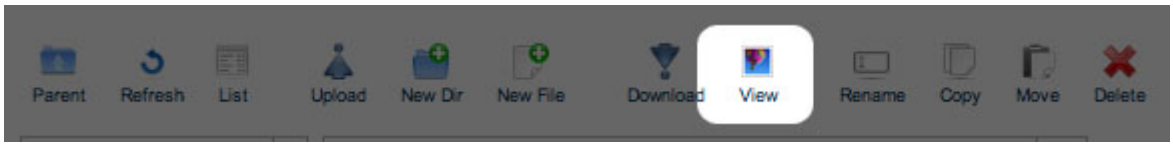
(photos), or duration (videos), while **Search** allows you to search for files based on file name.

4. This section displays the files contained in a selected folder. To view the files as thumbnails, click **Thumbs** in the Tool bar.

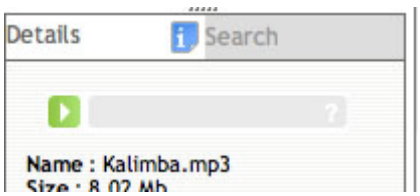


You can view photos full-sized as well as stream certain types of music and text files. Select the file, then:

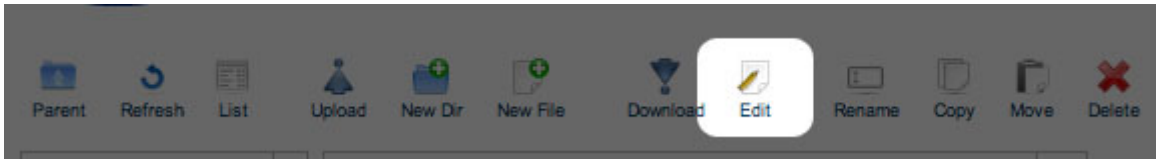
- **Photo:** Click the **View** button in the toolbar.



- **Music:** Click the play button in the **Details** panel.

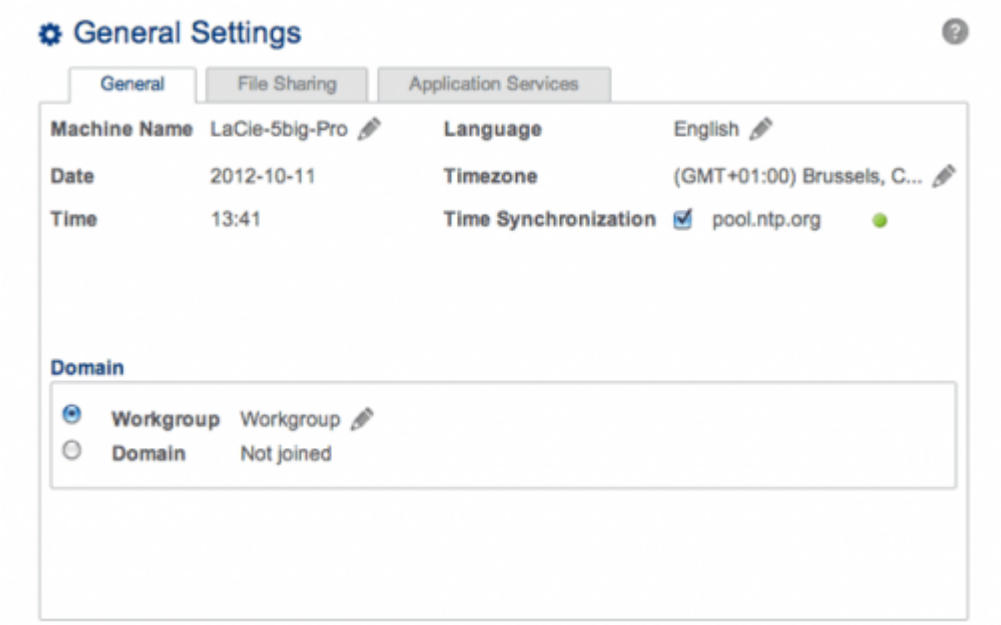


- **TXT files:** Click the **Edit** button in the toolbar.



GENERAL SETTINGS

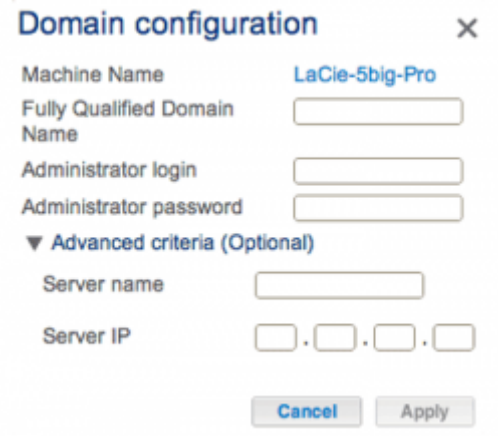
GENERAL TAB



- **Machine Name**: The machine name identifies your LaCie NAS on your network. You can change it from the default by clicking on the text and typing a new one. If a duplicate names exists, alternate names are automatically created to avoid a conflict on the network. Keep in mind that the machine name is limited to 15 characters, is case-sensitive, and can consist only of alphanumeric characters without spaces or symbols.
- **Date**: The date and time are set automatically if you assign an NTP server (see below). If not, click the text and select a day from the calendar.
- **Time**: If the time is not set by the NTP server, click the text and select the proper time.
- **Language**: Click the text to change the Dashboard language.
- **Timezone**: Click the listed time zone, then select your timezone from the dropdown window.
- **Time Synchronization**: This option allows your NAS to sync the time and date with an NTP (network time protocol) server. Having it set automatically means you won't have to worry about adjusting your NAS's time settings for daylight savings.
- **Workgroup**: Click the text, then type a Windows workgroup name (use from 1 to 15 alphanumeric characters).
- **Domain**: This feature allows you to join the LaCie NAS to a Windows Active Directory. Once connected, existing users/passwords in the domain are respected by the LaCie NAS and treated exactly as if they were created in the Dashboard. Go to the **Dashboard > Users** page to assign access to the LaCie NAS's shares to domain users.

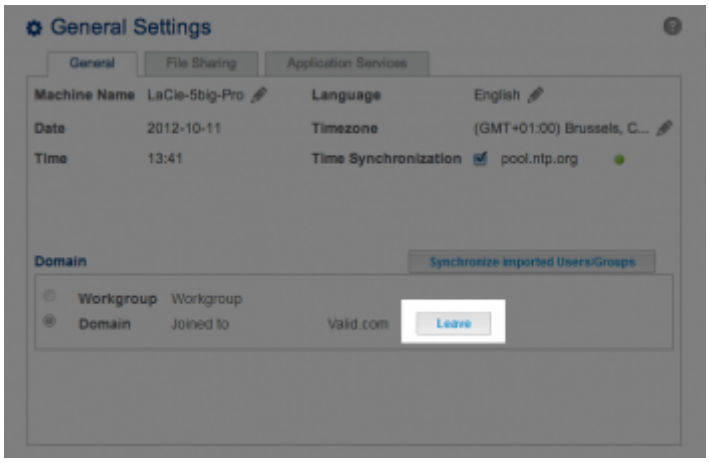
  To connect to a share, select the Domain box, then fill in the **Fully Qualified Domain Name**, **Administrator login**, and **Administrator password**. For more complex network configurations, click the **Advanced**

Criteria arrow and fill in the **Server name** and **Server IP**.



Once connected, you will be able to import users from the Users page (see Manage Users).

To leave the domain, click the **Leave** button, then authenticate by inputting the admin username and password.



For help with joining your NAS to a domain, see Troubleshooting the Active Directory Connection.

FILE SHARING AND APPLICATION SERVICES TABS

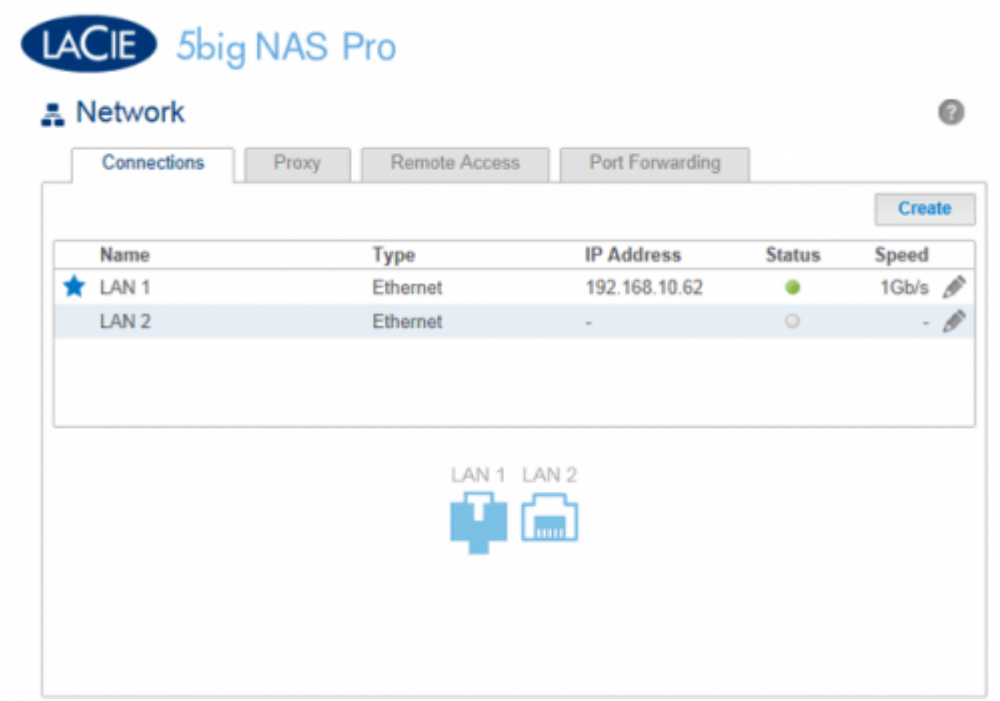
These tabs allow you to activate or deactivate sharing and applications protocols on your device on a global or default level. There are three levels of service activation: global, default, and share. The global level overrides the other levels. If a service is activated at the global level, a green light will be listed in the **Status** column. The share level overrides the default level but not the global level. Use the **Dashboard > Shares** page to activate a service at the share level (see Manage Shares).

Click the configuration icon for a given protocol to:

1. Activate or deactivate the protocol at the global level.
2. Activate or deactivate the protocol at the *default* level (click the **Advanced parameters** link). The service will automatically be active for newly created shares.

Note: SFTP is disabled automatically when Netbackup Server is activated (see Enable Netbackup Server).

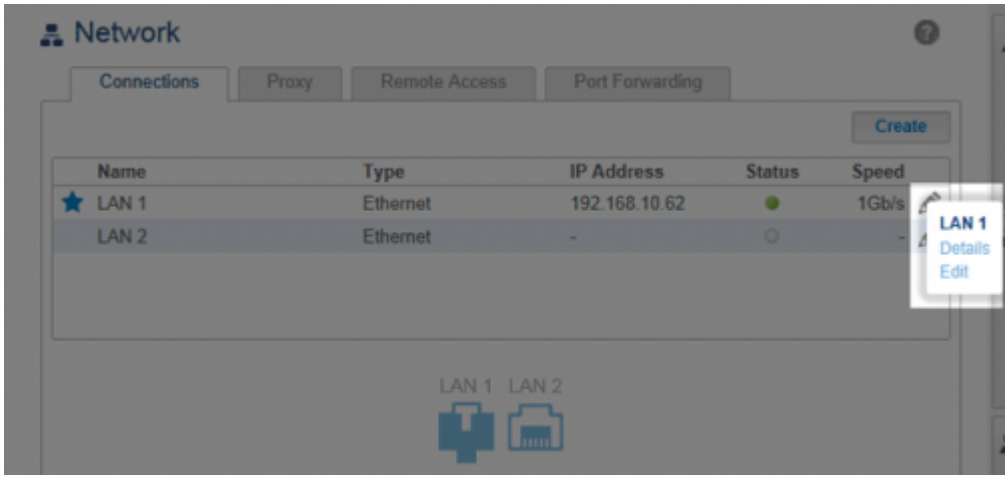
NETWORK



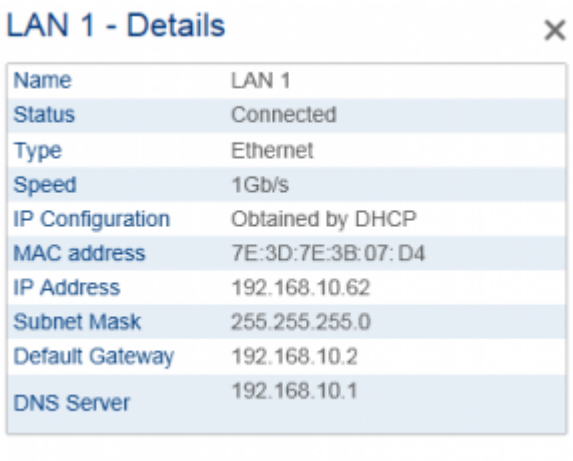
CONNECTIONS TAB

If your network is DHCP-enabled, your LaCie 5big NAS Pro will automatically be assigned an IP address and other values. As a result, most users will see that the Connections table has been filled in with values.

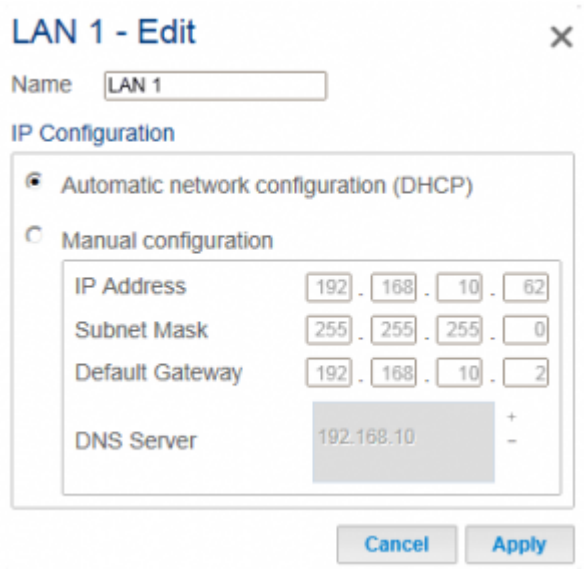
If you wish to review or modify the values of a LAN port, click on its configuration (pencil) icon.



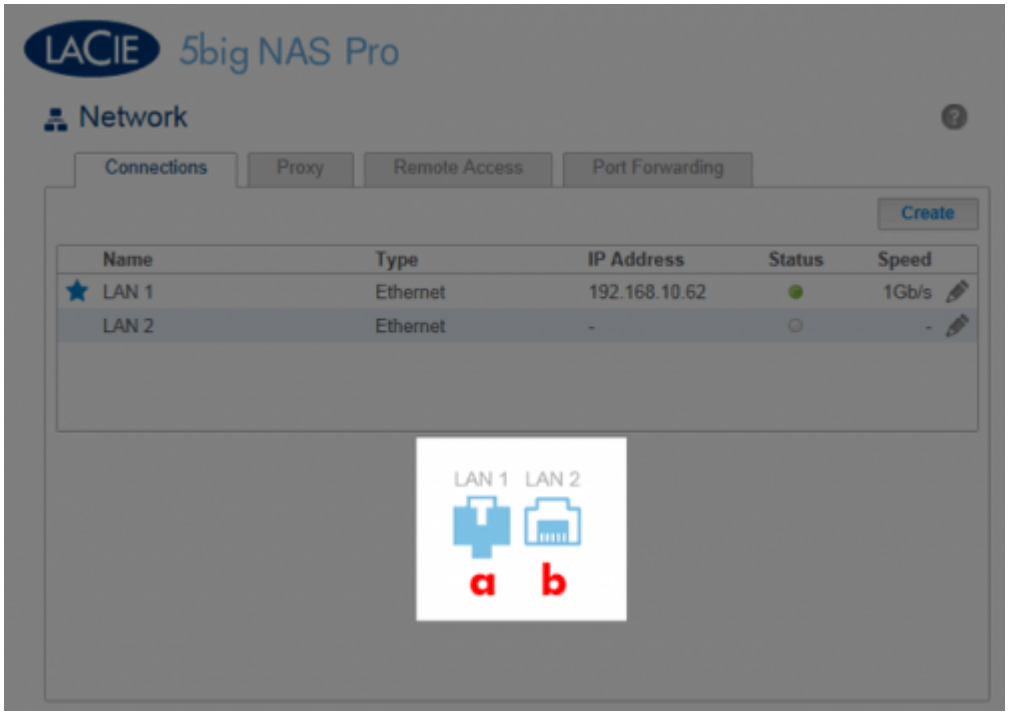
Select **Details** to review the network values.



Select **Edit** to modify the network values. You can give the LAN port a unique name as well as manually adjust its network values by selecting **Manual configuration**.



Important info on Network Addressing: LaCie cautions users that changes to the IP address must be consistent with the values of the router and/or network. You may lose contact with the 5big NAS Pro by typing addresses that are not available on your network.



Icons representing the two LAN ports on your LaCie 5big NAS Pro indicate connection to the network:

- Connected: **a**
- Not connected: **b**

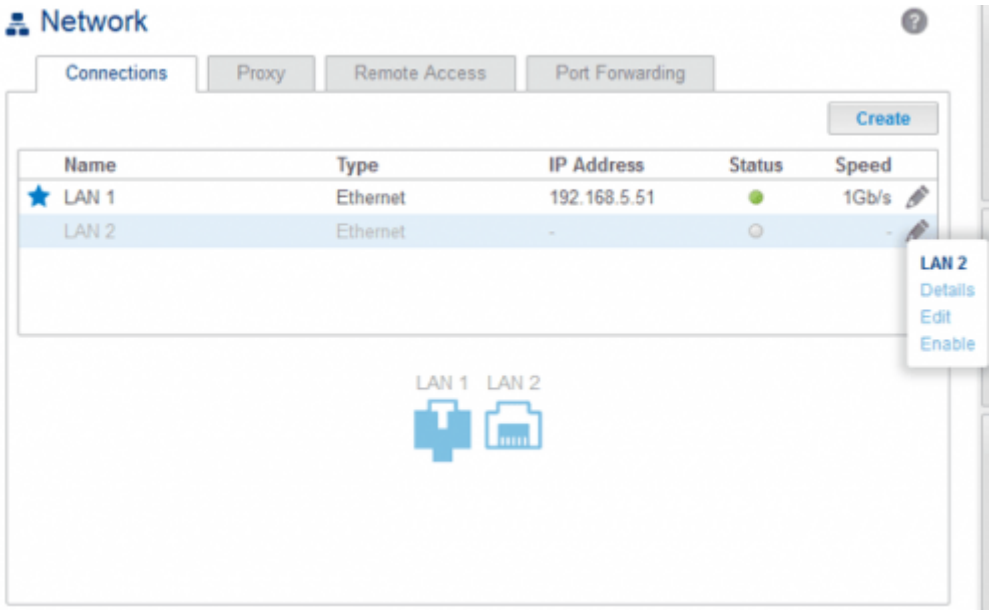
Port Aggregation: Multiple Networks, Bonding, and Fault Tolerance

Your LaCie 5big NAS Pro is equipped with two LAN ports for enhanced network performance. Due to the complexities of each business network, a complete explanation of dual LAN utilization is beyond the scope of this User Manual. However, you will find easy instructions on configuring your LaCie 5big NAS Pro LAN ports below.

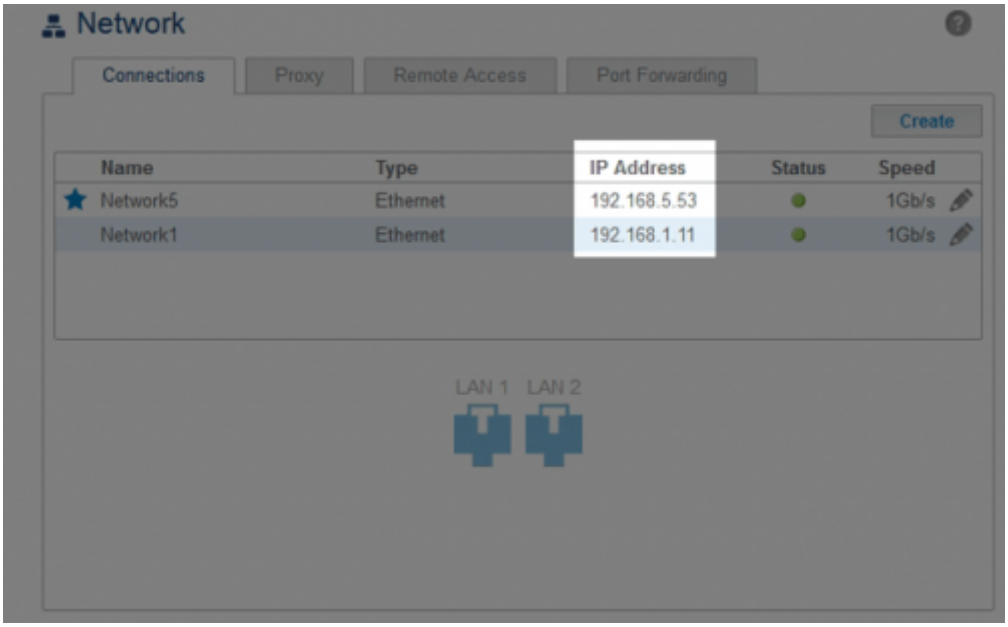
Two Networks: Bridge your LaCie 5big NAS Pro Data

To share access to data, connect your LaCie 5big NAS Pro to two separate networks. Users on each network can read and write data to the same shares.

1. Connect LAN 1 to the first network switch and LAN 2 to the second network switch.
2. Go to **Dashboard > Network** and choose the **Connections** tab.
3. If one or both LANs are not active, click on the configuration icon to select **Enable**.



4. Once the LAN is enabled, it may receive a DHCP address from the router. Each LAN should have separate addresses to reflect connection to two separate networks. In the screenshot below, the subnets of the IP addresses (*5* for LAN 1 and *1* for LAN 2) demonstrate that each LAN is connected to its own network.

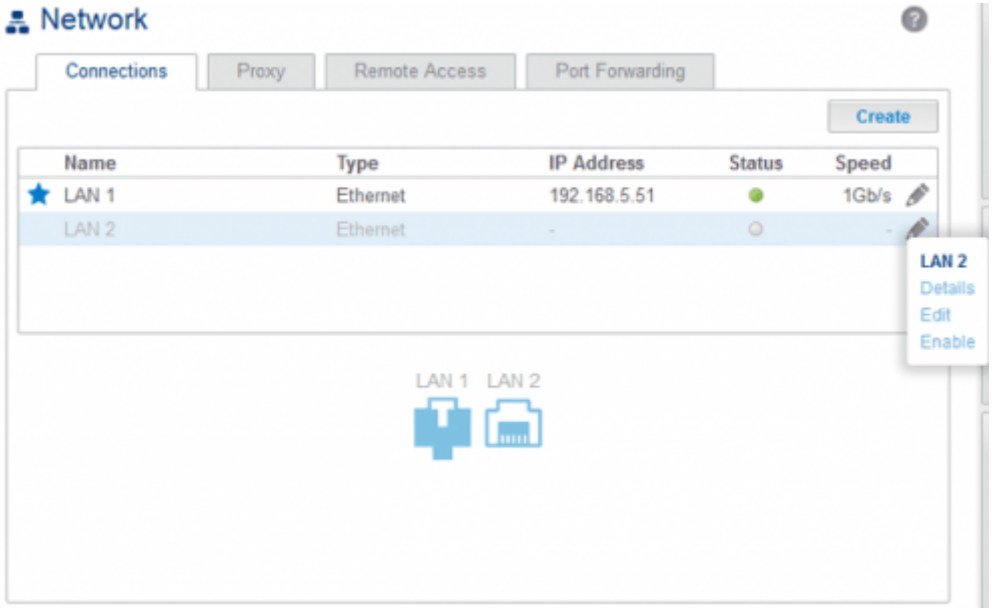


IP Addressing: You can manually configure the IP addresses for the LAN connections by clicking on their respective configuration icons (pencil) and selecting **Edit**.

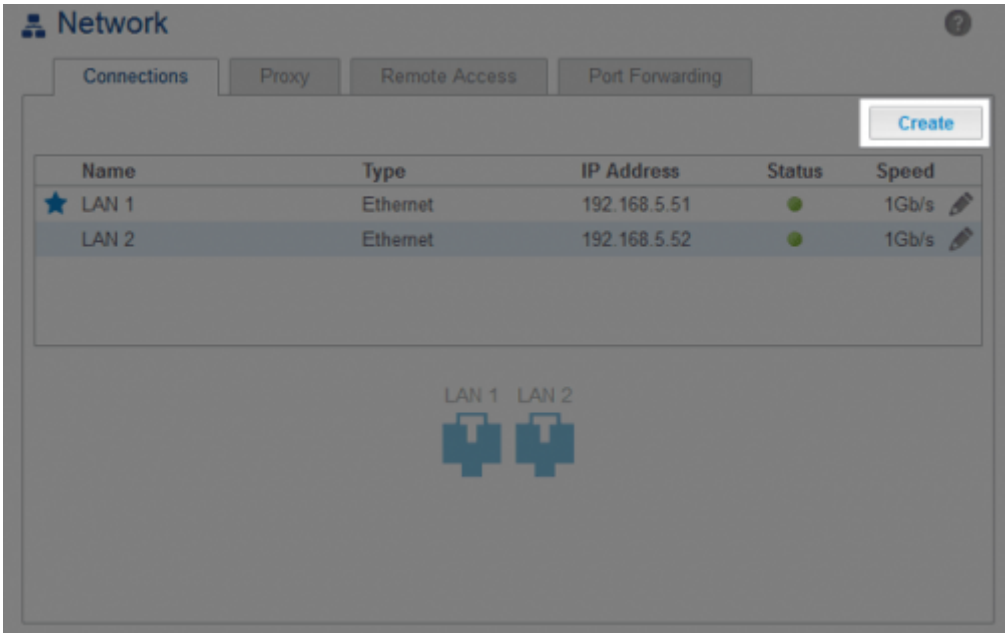
Bonding: Enhanced Speed

Configure both Ethernet ports to act together for speeds up to two times faster than a single LAN connection. Before following the directions below, please make certain that your switch or router supports link aggregation.

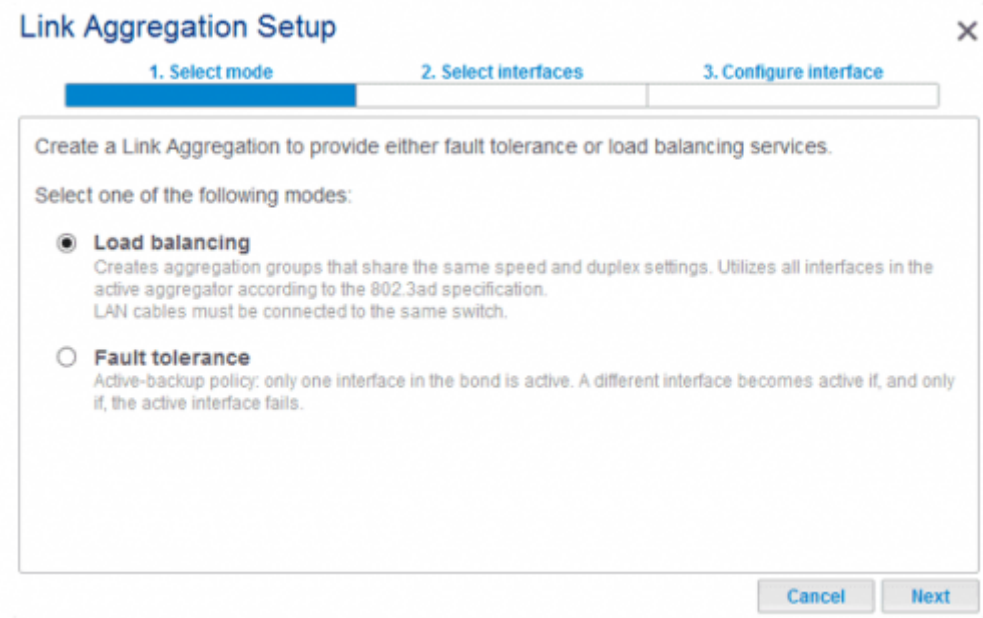
1. Connect LAN 1 and LAN 2 to the same network switch or router.
2. Go to **Dashboard > Network** and choose the **Connections** tab.
3. If one LAN is not active, click the inactive LAN's configuration icon to select **Enable**.



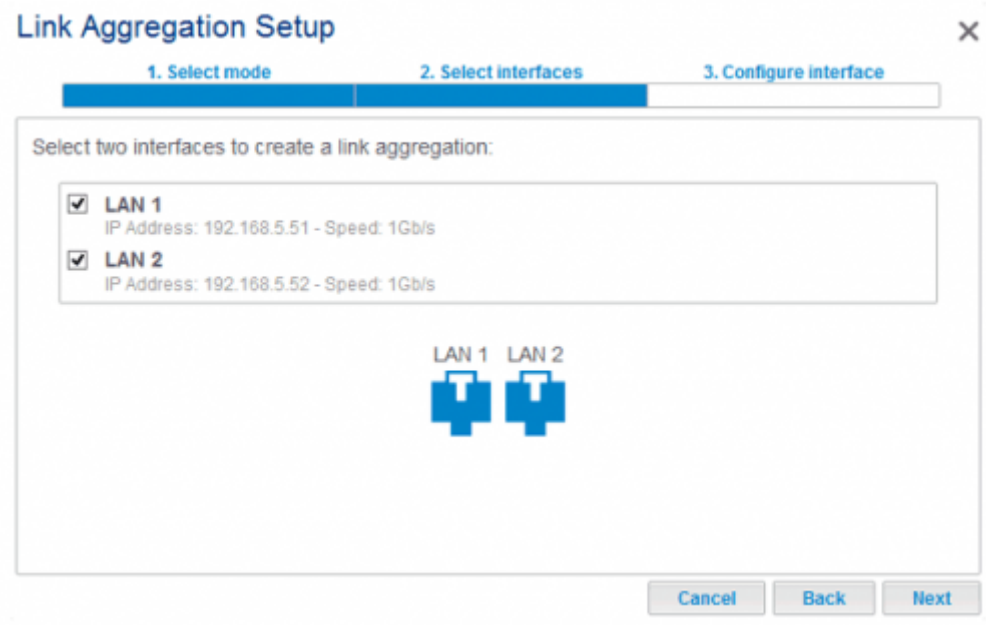
4. With both LANs enabled, click on **Create** to configure bonding.



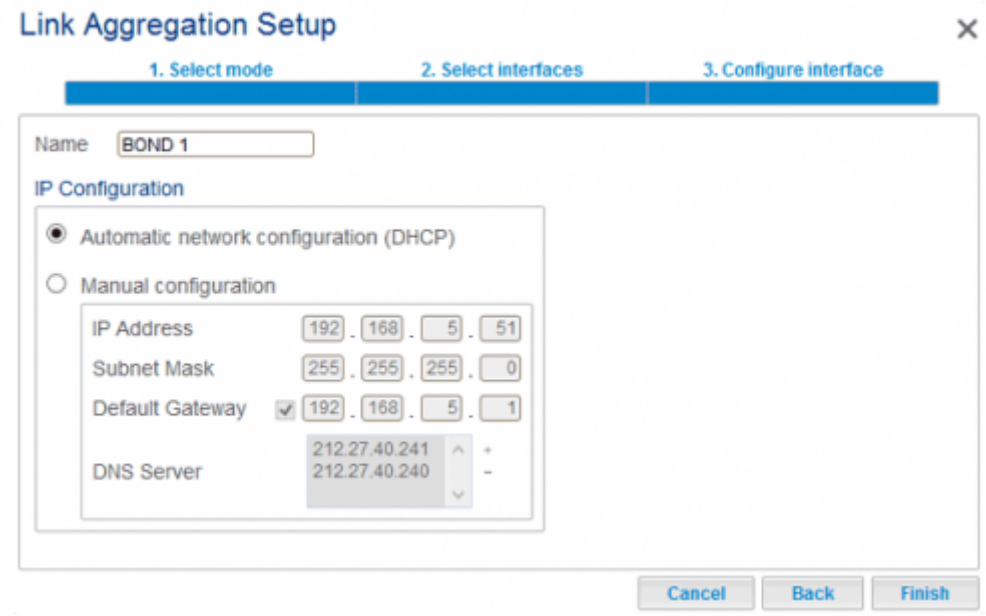
5. Select **Load balancing** then click **Next**.


Link Aggregation Setup
1. Select mode
2. Select interfaces
3. Configure interface
Create a Link Aggregation to provide either fault tolerance or load balancing services.
Select one of the following modes:
Load balancing
Creates aggregation groups that share the same speed and duplex settings. Utilizes all interfaces in the active aggregator according to the 802.3ad specification.
LAN cables must be connected to the same switch.
Fault tolerance
Active-backup policy: only one interface in the bond is active. A different interface becomes active if, and only if, the active interface fails.
Cancel
Next

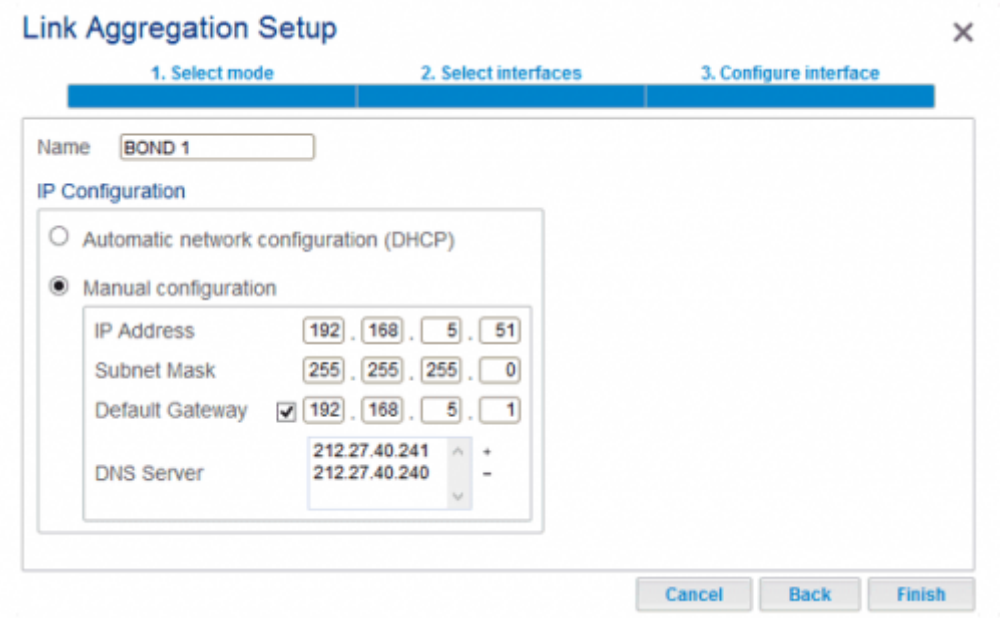
6. Check the boxes next to each LAN port then click **Next**.



7. You can name the LAN bonding as well as select how the paired Ethernet ports will receive a unified IP address (DHCP or Manual configuration). Click **Finish** to complete the bonding.

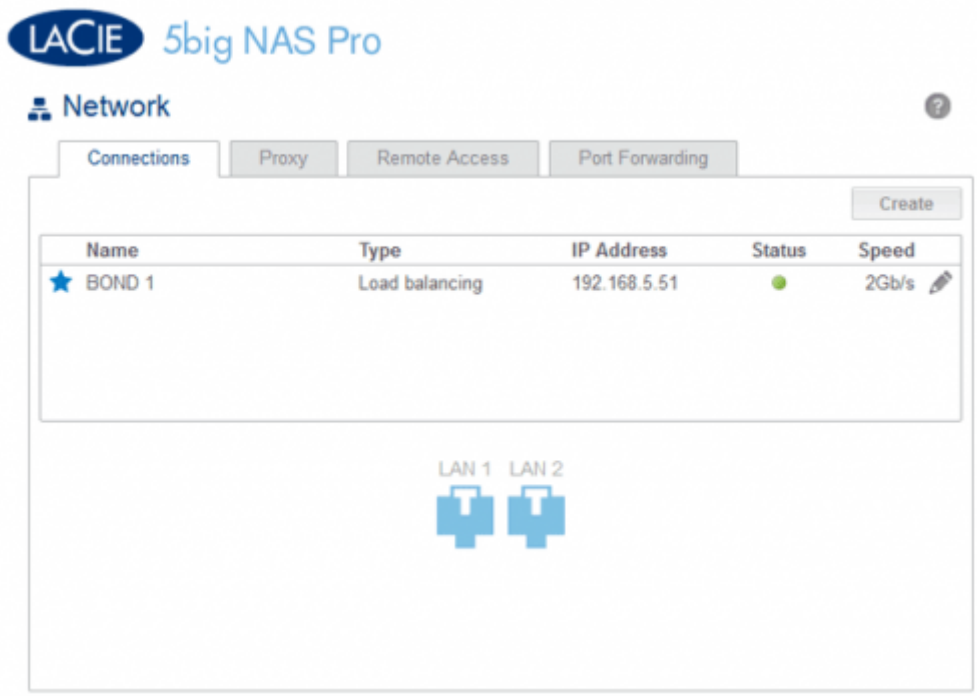


DHCP IP addressing



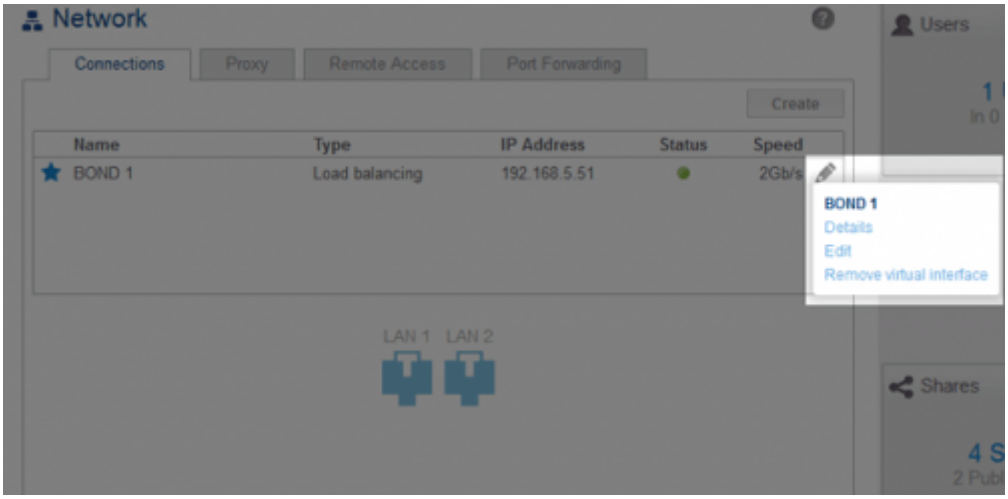
Manual/Static IP addressing

8. The two LAN ports are now listed as one.

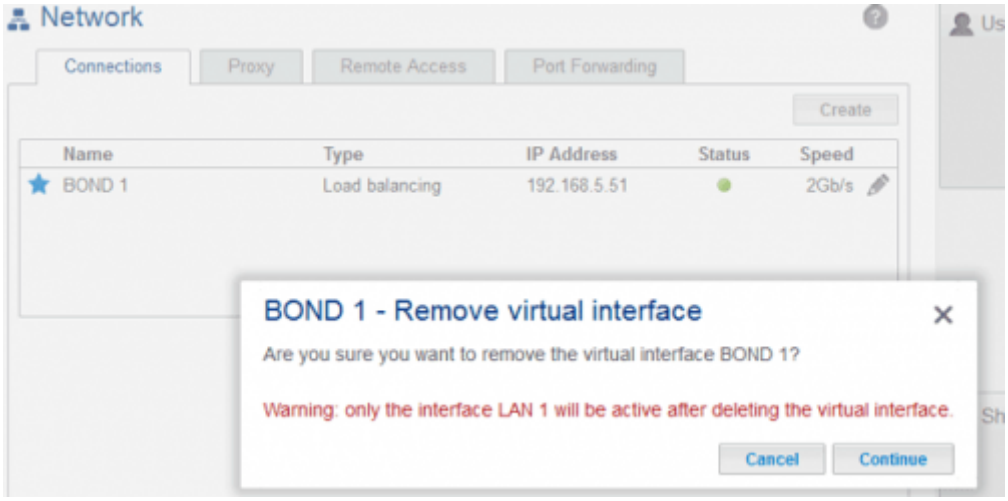


Break the LAN bond: If you no longer wish to bond the two Ethernet ports, follow the steps below.

1. Click on the configuration icon (pencil) to select **Remove virtual interface**.



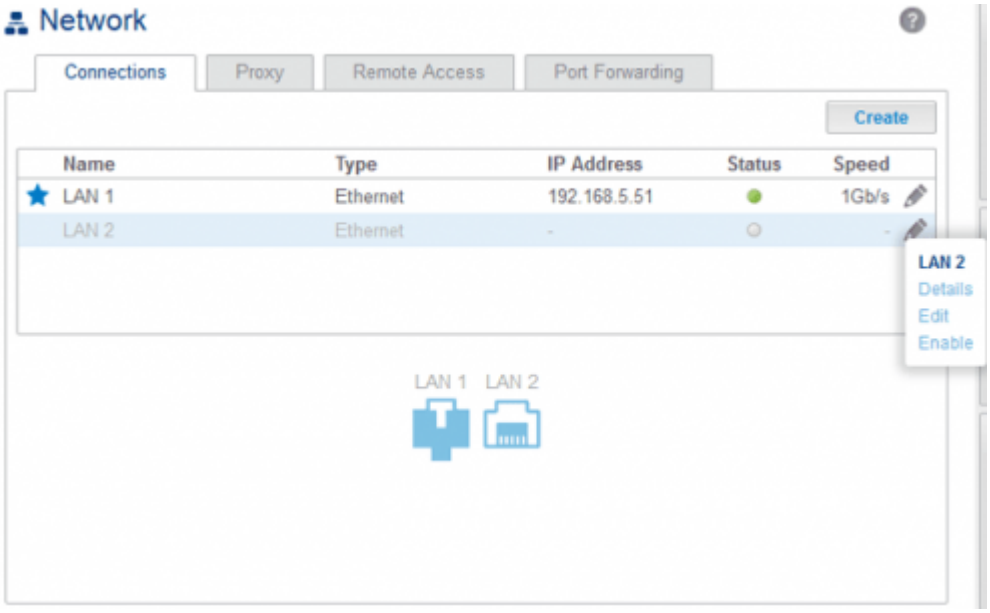
2. Click **Continue** at the prompt.



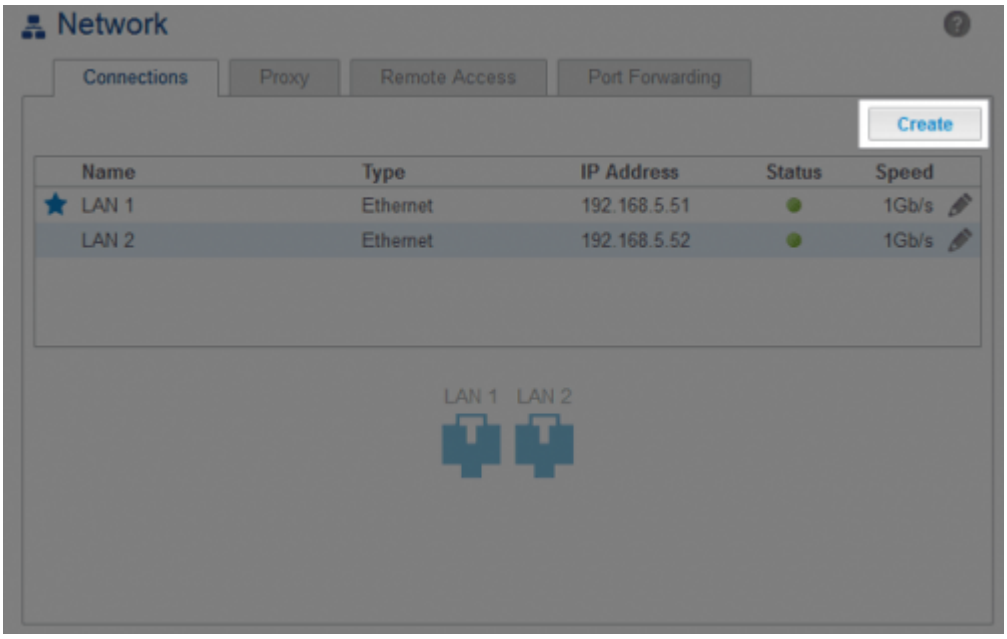
Fault Tolerance: Failover Protection

Make certain that users never lose connection with fault tolerance. Before following the directions below, please make certain that your network switch(es) or router(s) support fault tolerance.

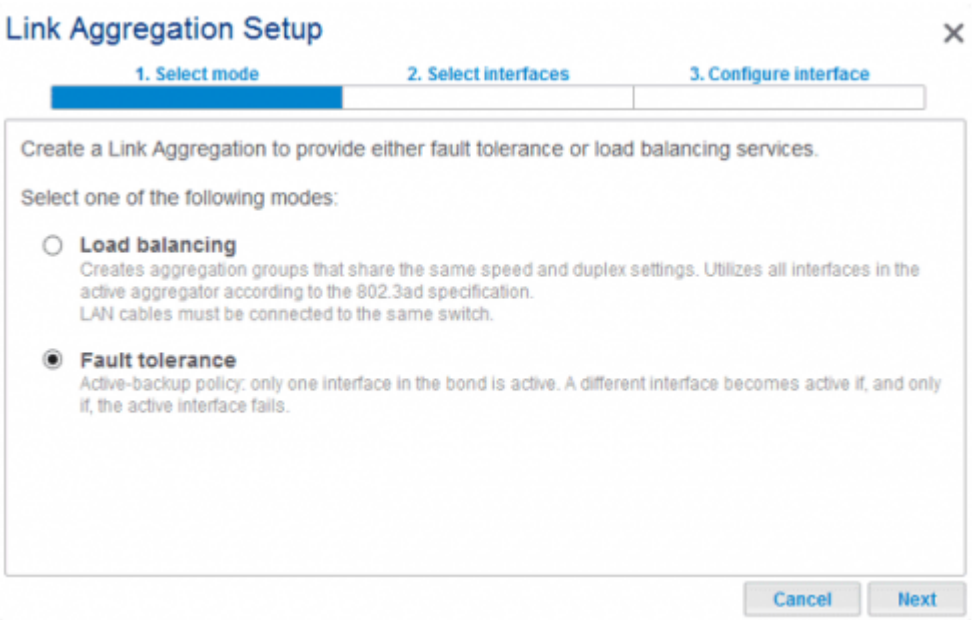
1. Connect LAN 1 and LAN 2 to the same network switch or router.
2. Go to **Dashboard > Network** and choose the **Connections** tab.
3. If one LAN is not active, click the inactive LAN's configuration icon to select **Enable**.



4. With both LANs enabled, click on **Create**.



5. Select **Fault tolerance** then click **Next**.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1. Select mode
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3. Configure interface
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Select one of the following modes:
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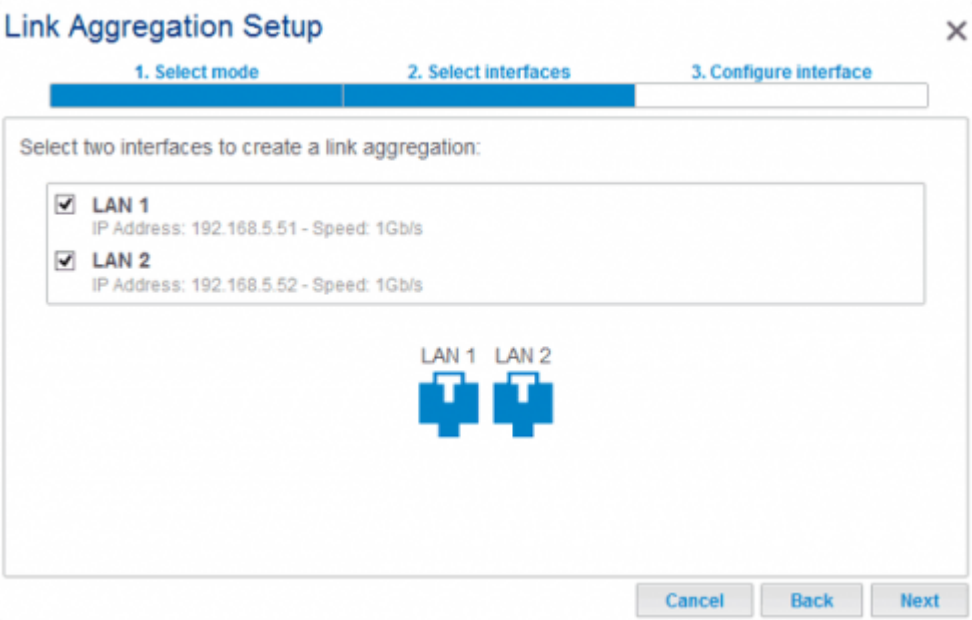
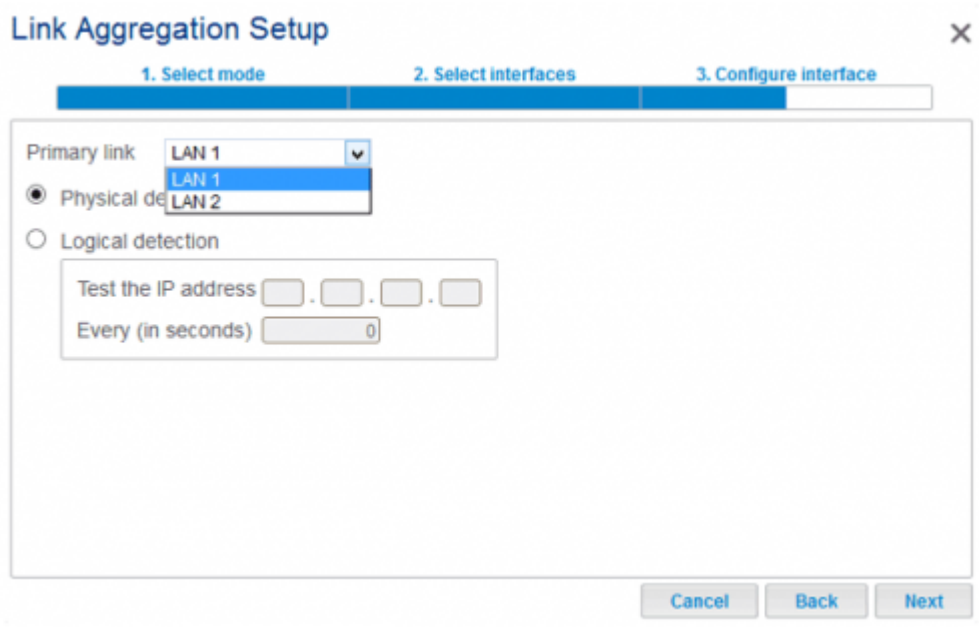
LAN cables must be connected to the same switch.
Fault tolerance
Active-backup policy: only one interface in the bond is active. A different interface becomes active if, and only if, the active interface fails.
Cancel
Next

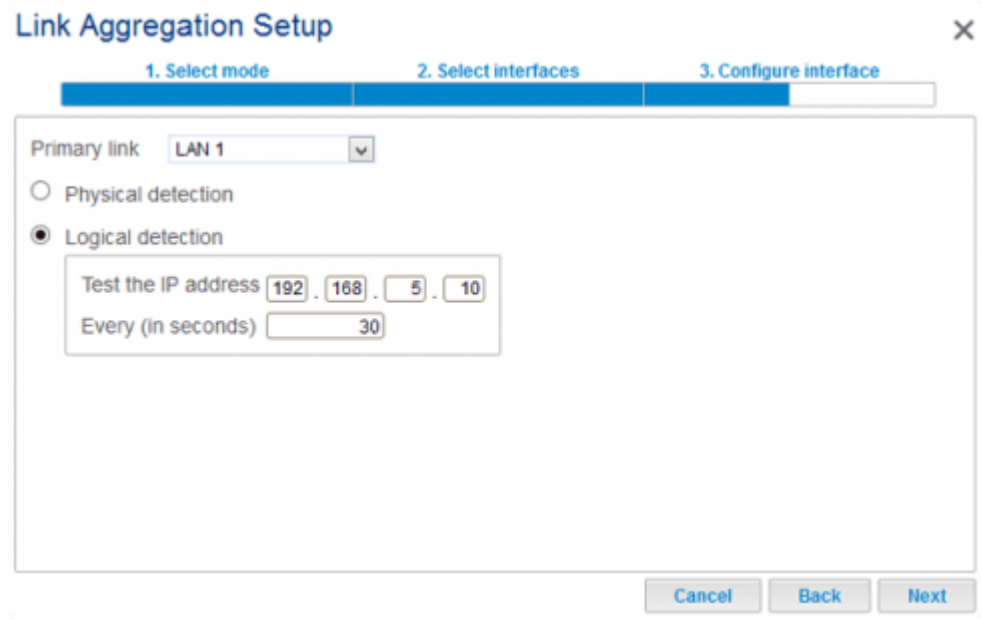
6. Check the boxes next to each LAN port then click **Next**.



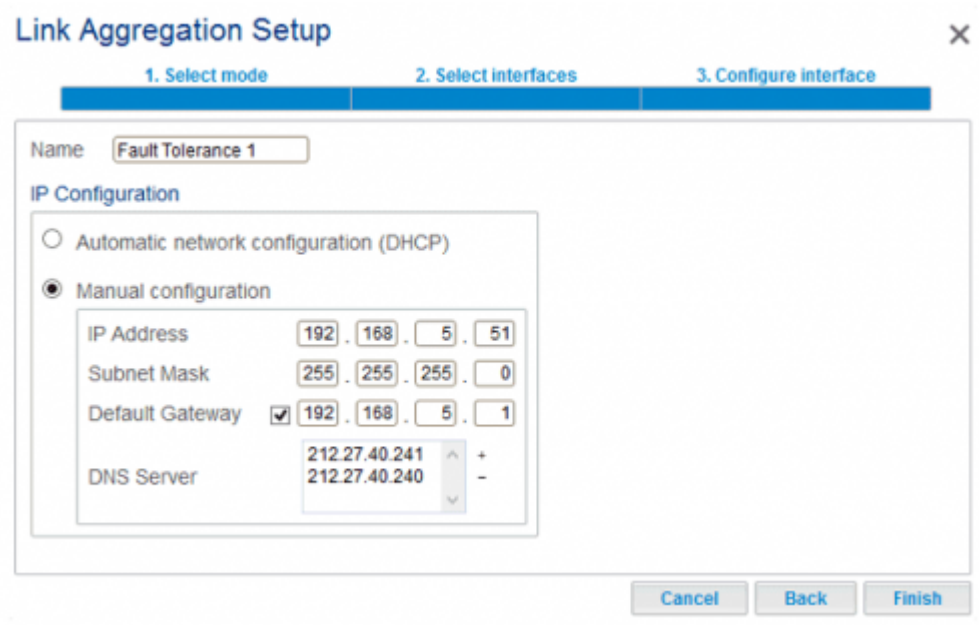
7. Use the pulldown menu to choose the primary LAN port.



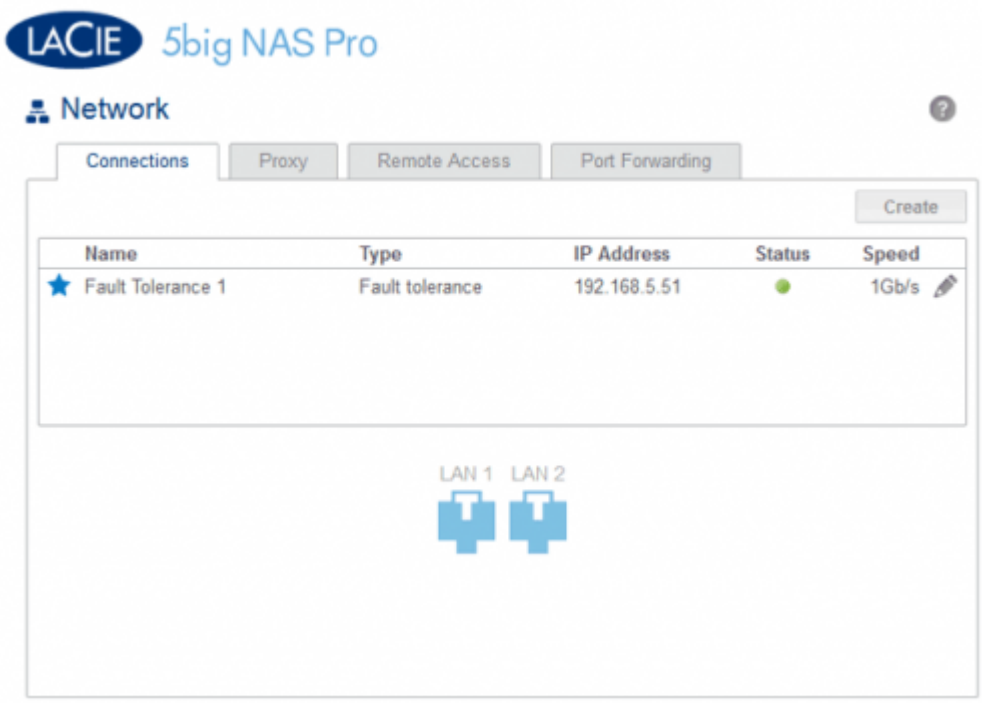
8. Fault tolerance will switch to the secondary LAN if it cannot detect the primary LAN. Choose if the type of detection should be physical (e.g. a bad Ethernet cable) or software (e.g. contact with another IP address). Enter the IP address that the 5big NAS Pro should ping to confirm the stability of the primary LAN and the frequency. The IP address could be for another server, a computer on the network, etc. Click **Next**.



9. You can name the Fault Tolerance configuration as well as select how the Ethernet ports will receive a unified IP address (DHCP or Manual configuration). Click **Finish** to complete the bonding.



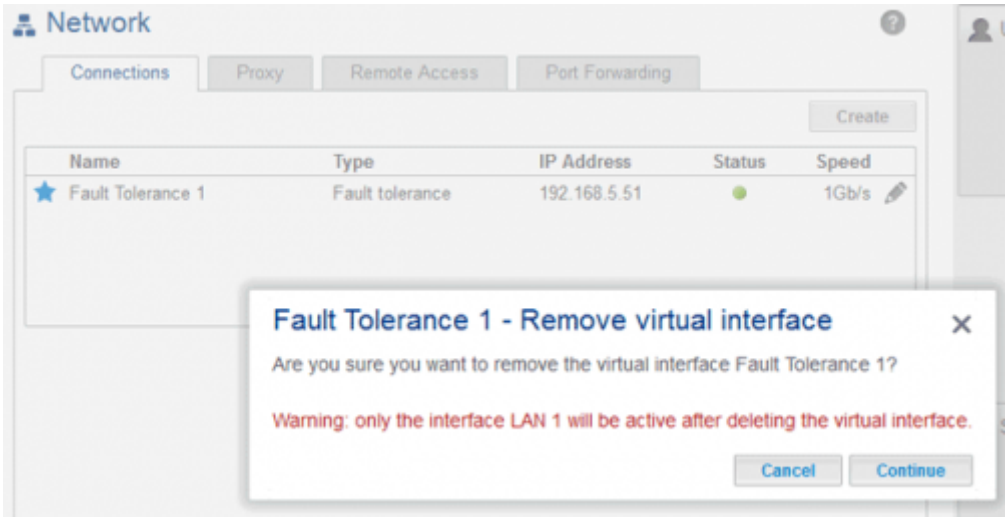
10. The two LAN ports are now listed as one.



Break the Fault Tolerance: If you no longer wish to keep Fault Tolerance, follow the steps below.

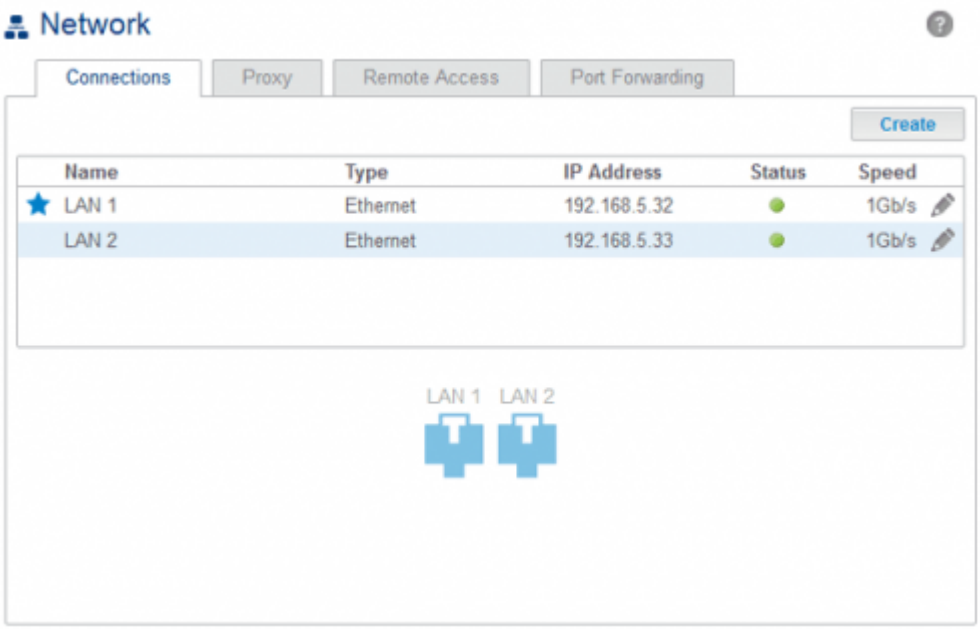
1. Click on the configuration icon (pencil) to select **Remove virtual interface**.

2. Click **Continue** at the prompt.



LAN Priority: Primary LAN Interface

The primary Ethernet port is marked by a star next to the LAN number. In the example below, LAN 1 is the primary Ethernet port.

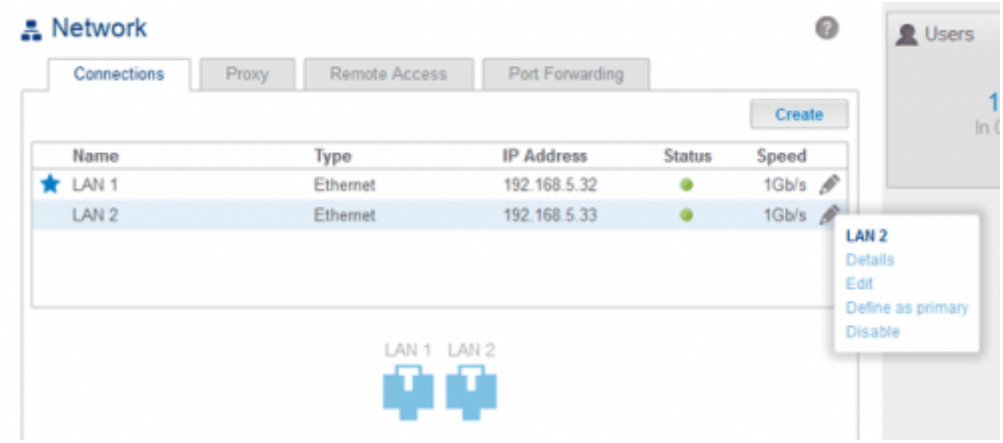


The primary Ethernet port:

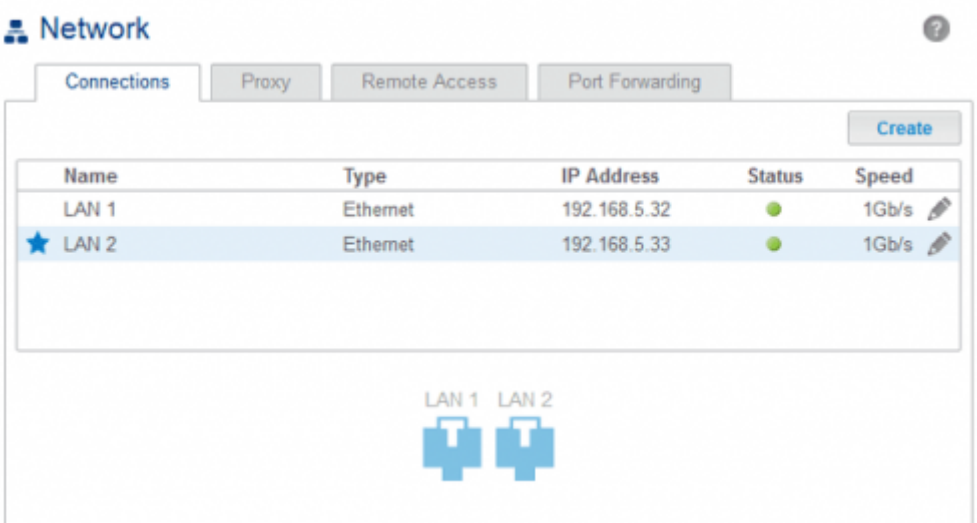
- Carries the data when the LaCie 5big NAS Pro is configured in Fault Tolerance
- Acts as the gateway to the internet when the LaCie 5big NAS Pro is connected to two separate networks

You can change the priority order by reassigning the role of primary port.

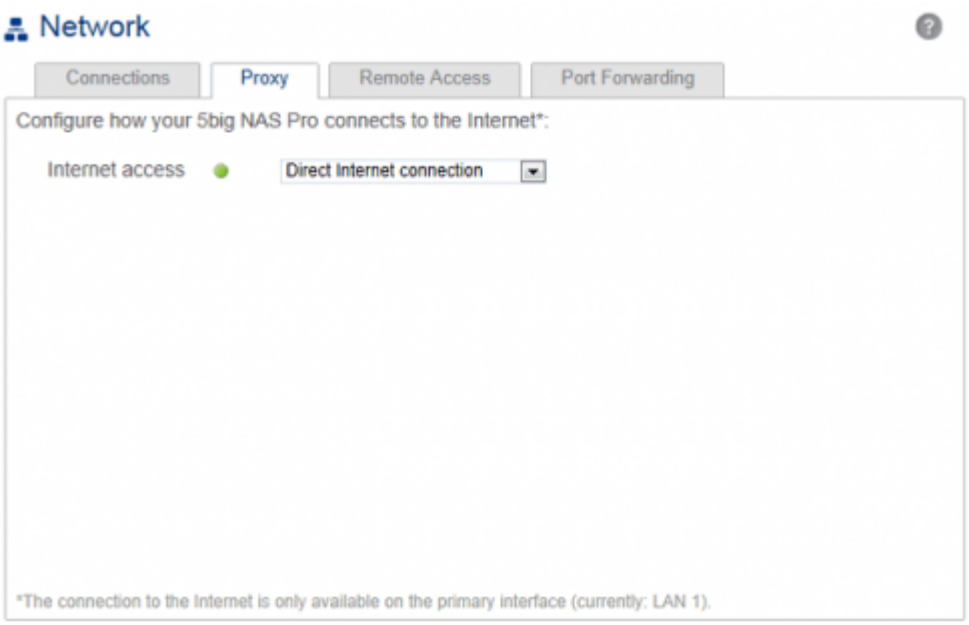
1. Click on the configuration icon (pencil) for the port you wish to assign as the primary.



2. Select **Define as primary**.
3. The star icon will move to the port to reflect the change.

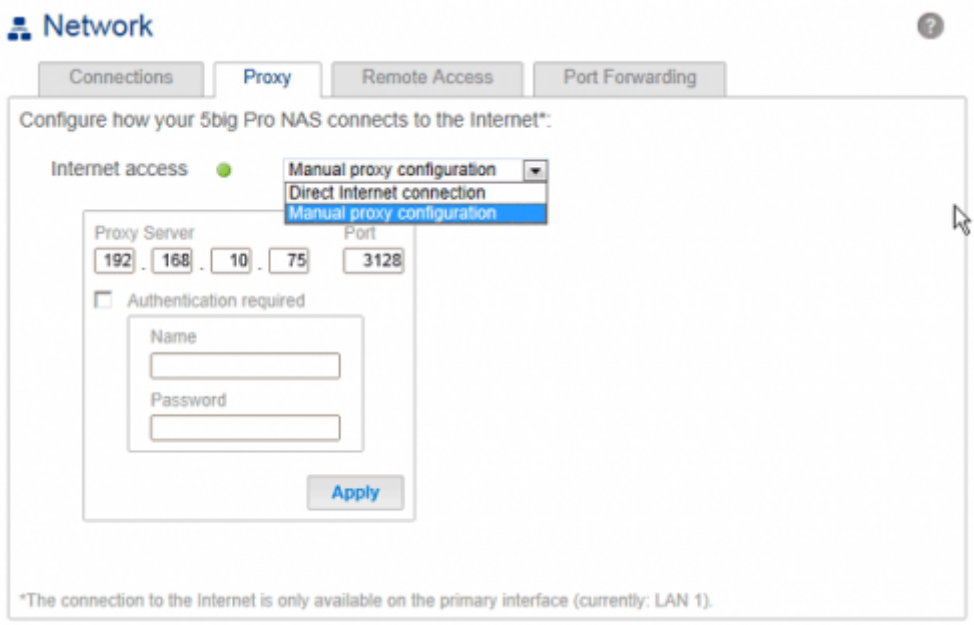


PROXY TAB

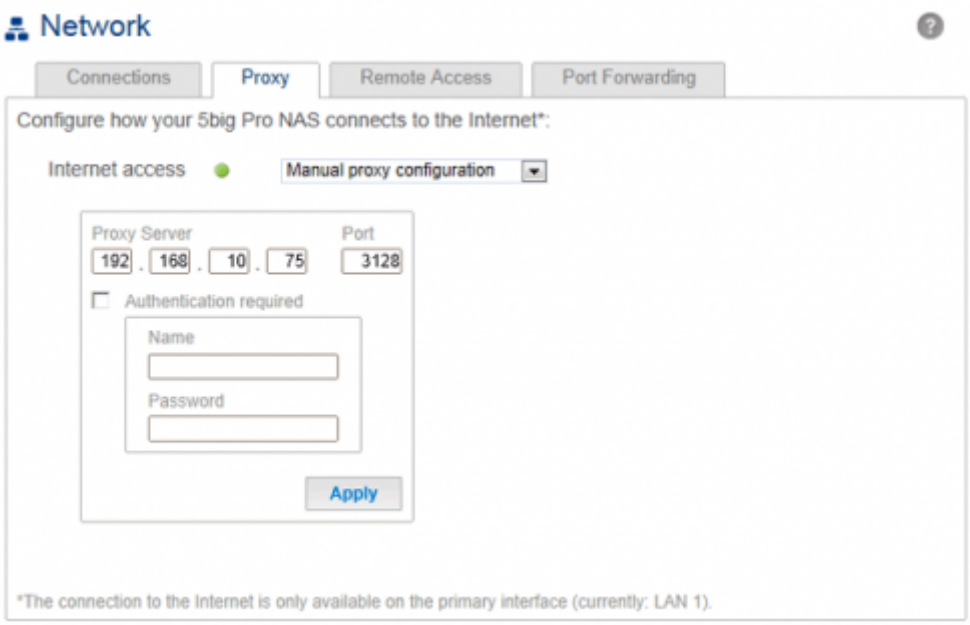

Network
Connections
Proxy
Remote Access
Port Forwarding
Configure how your 5big NAS Pro connects to the Internet*:
Internet access
Direct Internet connection
*The connection to the Internet is only available on the primary interface (currently: LAN 1).

Your LaCie NAS can be configured to connect to a proxy server for access to the internet. Access to the internet is very important for automatic firmware updates and email alerts. If you have a proxy server in your facility, please follow the directions below:

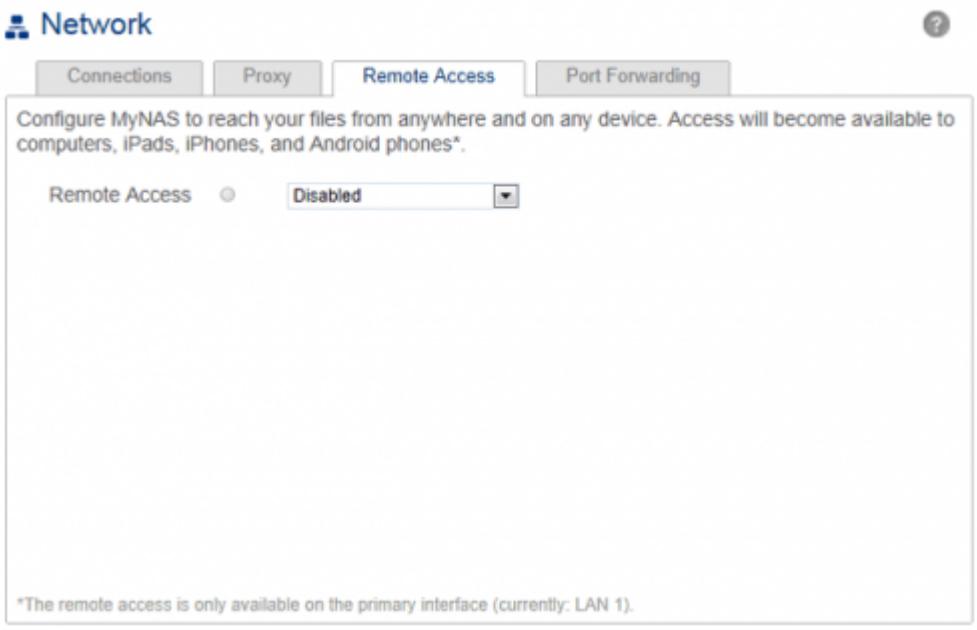
1. Select the **Manual proxy configuration** option from the drop-down menu.



2. Fill in the proxy server address, port, and optional authentication information. Click **APPLY** for your changes to take affect.



REMOTE CONNECTION TAB


Network
Connections
Proxy
Remote Access
Port Forwarding
Configure MyNAS to reach your files from anywhere and on any device. Access will become available to computers, iPads, iPhones, and Android phones*.
Remote Access
Disabled
*The remote access is only available on the primary interface (currently: LAN 1).

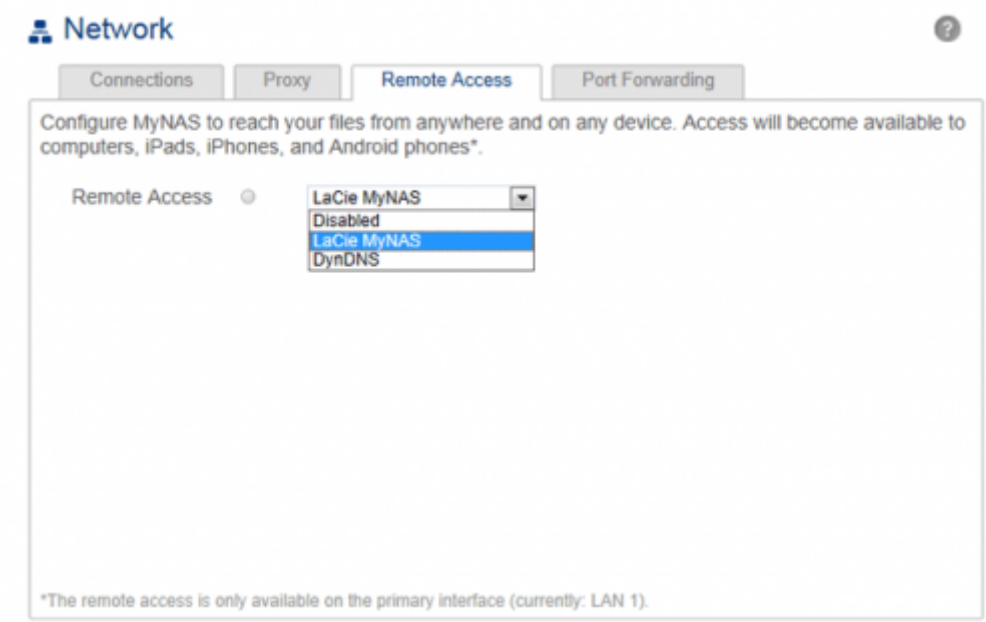
LaCie's remote access system, called LaCie MyNAS, makes accessing your NAS away from home a cinch. Simply create a unique, public username for your LaCie 5big NAS Pro on this page, then use it to access the NAS in a browser – from anywhere.

Important info: In order to prevent unauthorized access, it is critical to protect each of the user and administrator accounts registered to your NAS with a strong password BEFORE setting up remote access. Since LaCie MyNAS lets you access your NAS with a simple URL, malicious users could guess the URL and access your NAS's files unless each user is protected by a strong password.

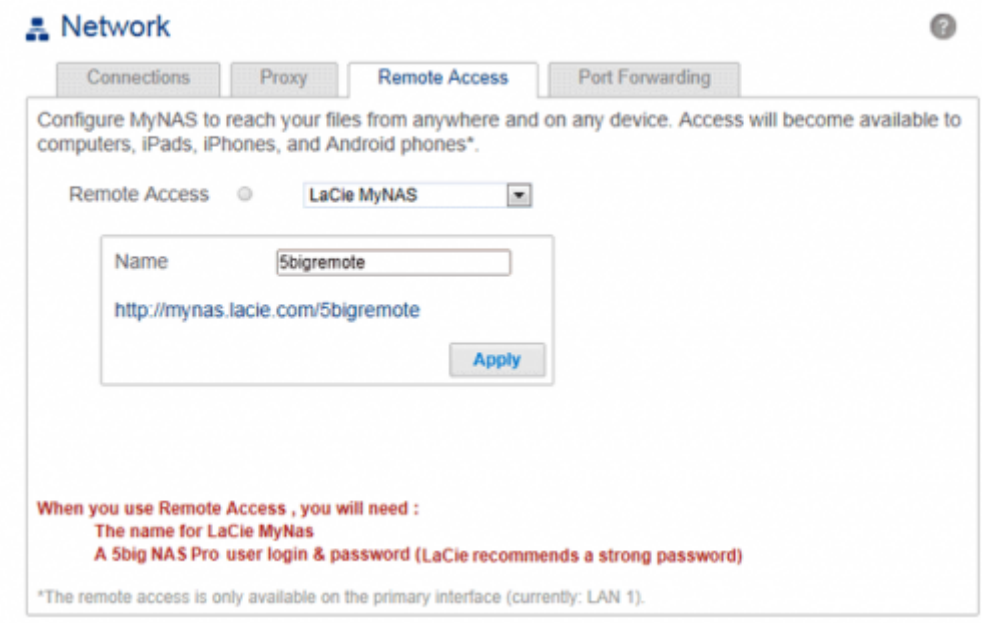
Set Up Remote Access

For a video demonstration, see here (youtube).

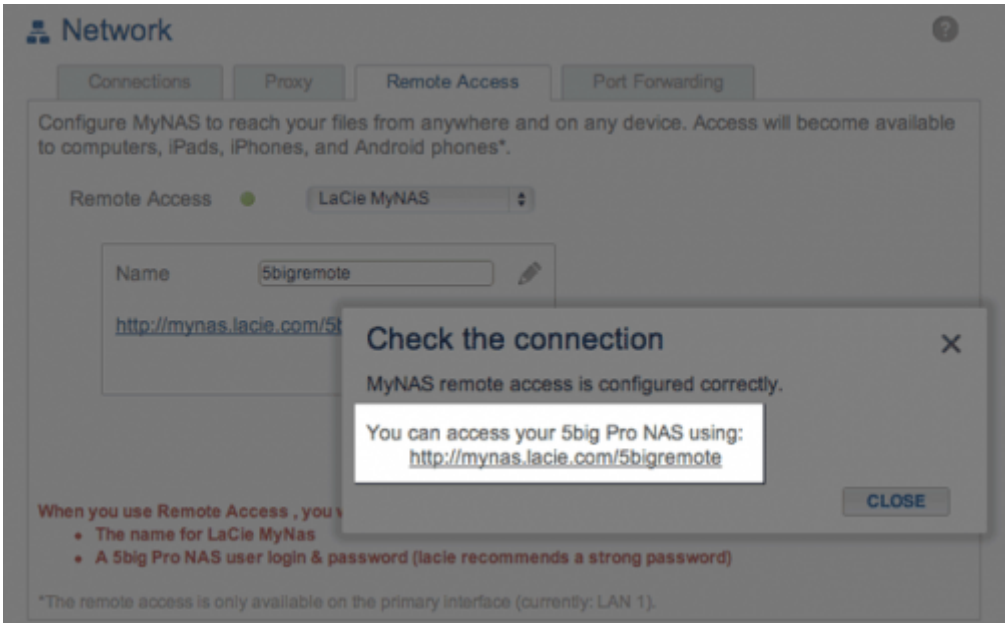
1. Navigate to **Dashboard > Network > Remote Connection** tab.
2. In the drop-down menu, choose **LaCie MyNAS**.


Network
Connections
Proxy
Remote Access
Port Forwarding
Configure MyNAS to reach your files from anywhere and on any device. Access will become available to computers, iPads, iPhones, and Android phones*.
Remote Access
LaCie MyNAS
Disabled
LaCie MyNAS
DynDNS
*The remote access is only available on the primary interface (currently: LAN 1).

3. Next, type a name for your NAS in the **Name** field.


Network
Connections
Proxy
Remote Access
Port Forwarding
Configure MyNAS to reach your files from anywhere and on any device. Access will become available to computers, iPads, iPhones, and Android phones*.
Remote Access
LaCie MyNAS
Name
5bigremote
http://mynas.lacie.com/5bigremote
Apply
When you use Remote Access , you will need :
The name for LaCie MyNas
A 5big NAS Pro user login & password (LaCie recommends a strong password)
*The remote access is only available on the primary interface (currently: LAN 1).

4. Next, click **Apply**. If your NAS is able to connect to the internet, the Dashboard will query the mynas.lacie.com server to see if the name you chose is available. If so, you will receive a message confirming the connection.

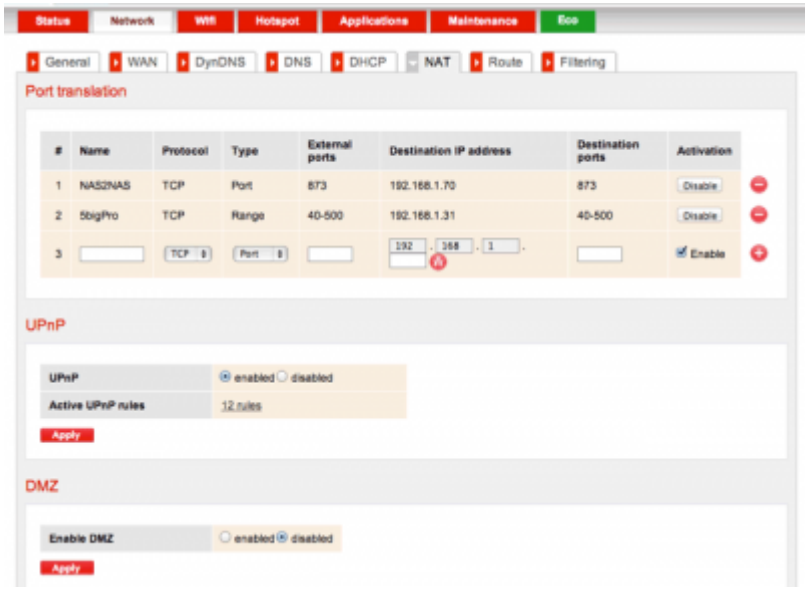

Network
Connections
Proxy
Remote Access
Port Forwarding
Configure MyNAS to reach your files from anywhere and on any device. Access will become available to computers, iPads, iPhones, and Android phones*.
Remote Access
LaCie MyNAS
Name
5bigremote
http://mynas.lacie.com/5b
Check the connection
MyNAS remote access is configured correctly.
You can access your 5big Pro NAS using:
http://mynas.lacie.com/5bigremote
CLOSE
When you use Remote Access , you
The name for LaCie MyNas
A 5big Pro NAS user login & password (lacie recommends a strong password)
*The remote access is only available on the primary interface (currently: LAN 1).

If your name is already chosen, type a new one and click **Apply** until you find an available name.

Failed Connection

If you receive an error that your NAS is unable to connect to the internet, you may need to configure port forwarding, or if you are using a proxy, the proxy configuration could be preventing the remote connection.

If the issue is related to your router, you will need to access its administration page in order to forward a port which will create a path from your NAS to the internet. The default port used by LaCie MyNAS is 8080. Refer to your router's documentation for details on how to forward port 8080 for your LaCie NAS then try your connection again.

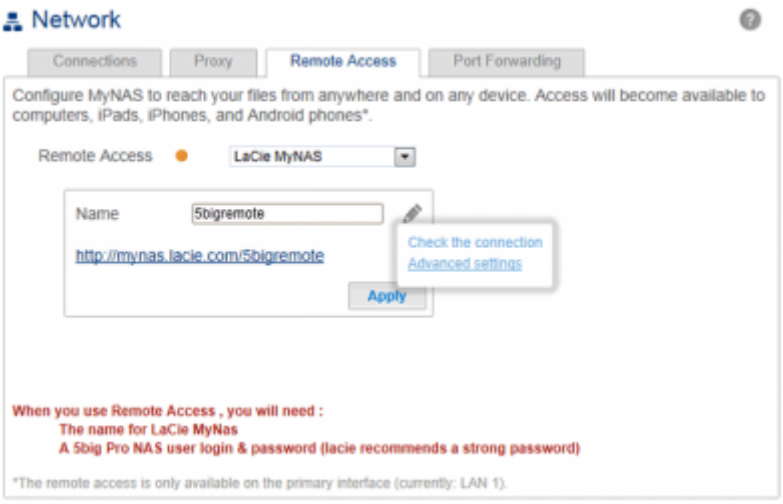


Example router administration page

Forwarding an alternate port

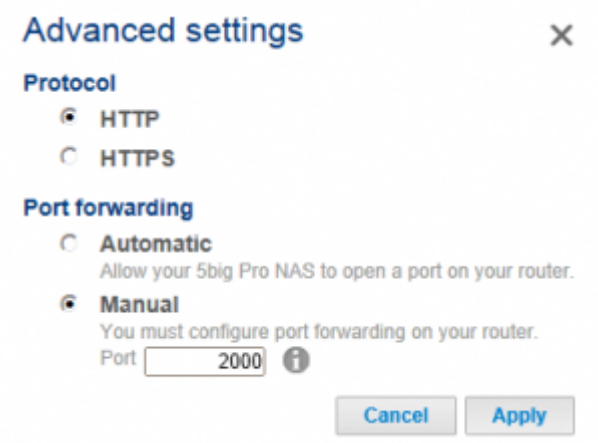
If port 8080 is not available on your router, you can assign an alternate port. Compatible port numbers range from 1024 and higher.

1. Navigate to the **Dashboard > Network > Remote Access** tab.
2. Next to the **Name** field, click the configuration icon, then select **Advanced settings**.


Network
Connections
Proxy
Remote Access
Port Forwarding
Configure MyNAS to reach your files from anywhere and on any device. Access will become available to computers, iPads, iPhones, and Android phones*.
Remote Access
LaCie MyNAS
Name
5bigremote
http://mynas.lacie.com/5bigremote
Check the connection
Advanced settings
Apply
When you use Remote Access , you will need :
The name for LaCie MyNas
A 5big Pro NAS user login & password (lacie recommends a strong password)
*The remote access is only available on the primary interface (currently: LAN 1).

(If you do not see the configuration icon next to the **Name** field, first type a name and then click **Apply**, and the icon will appear.)

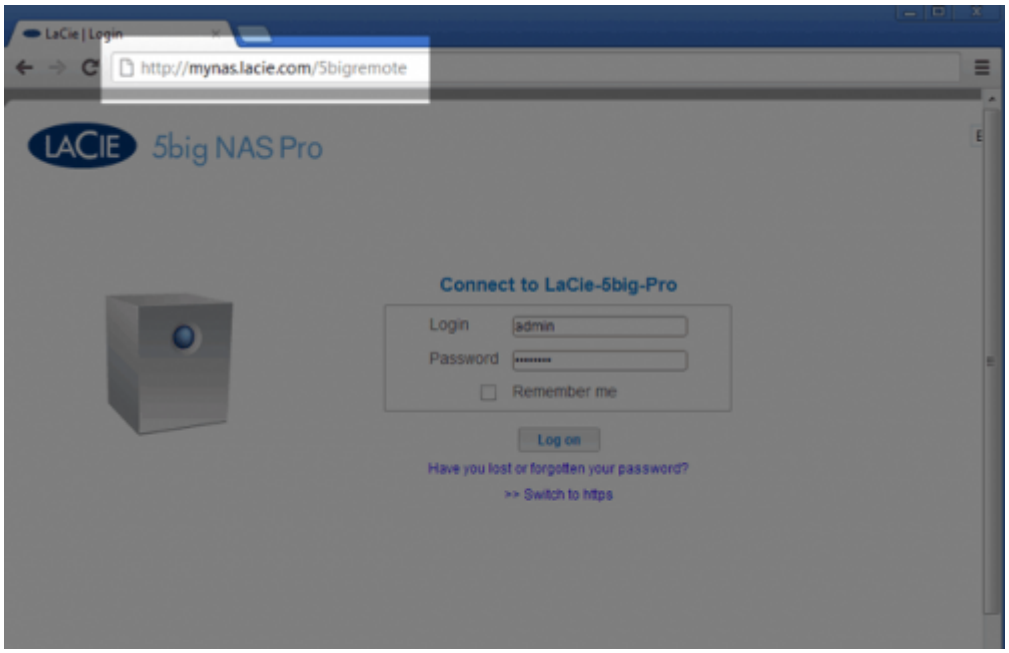
3. In the dialogue window that appears, click **Manual**.



4. Next, identify which port you intend to forward in your router.
5. Click **Apply**.

Using Remote Access

Once configured, simply type your NAS's URL into any browser, anywhere.

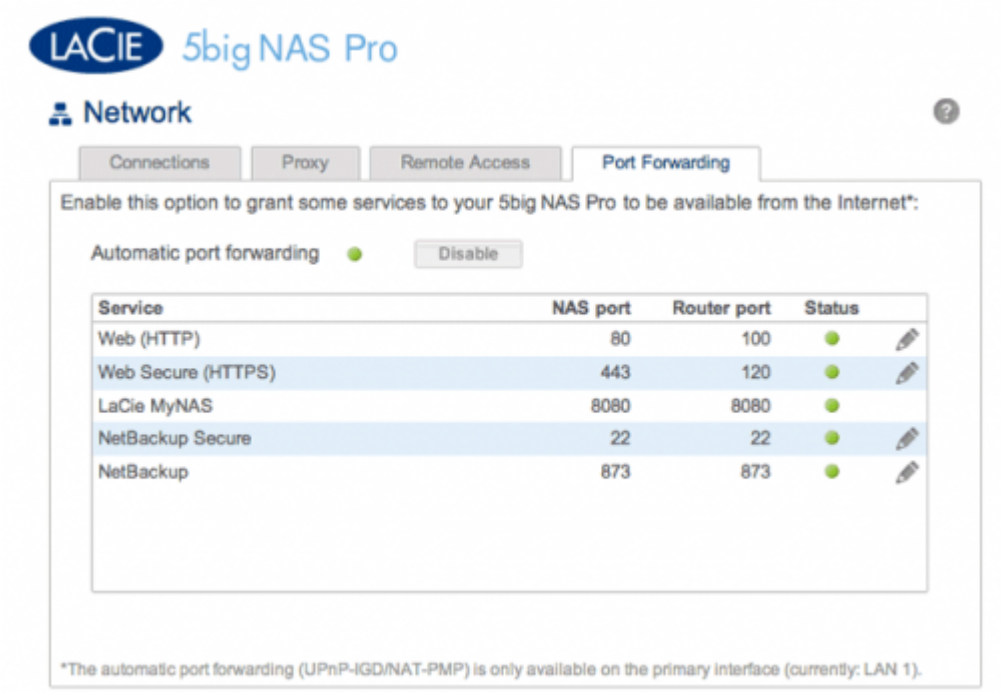


Your URL will be: mynas.lacie.com/name

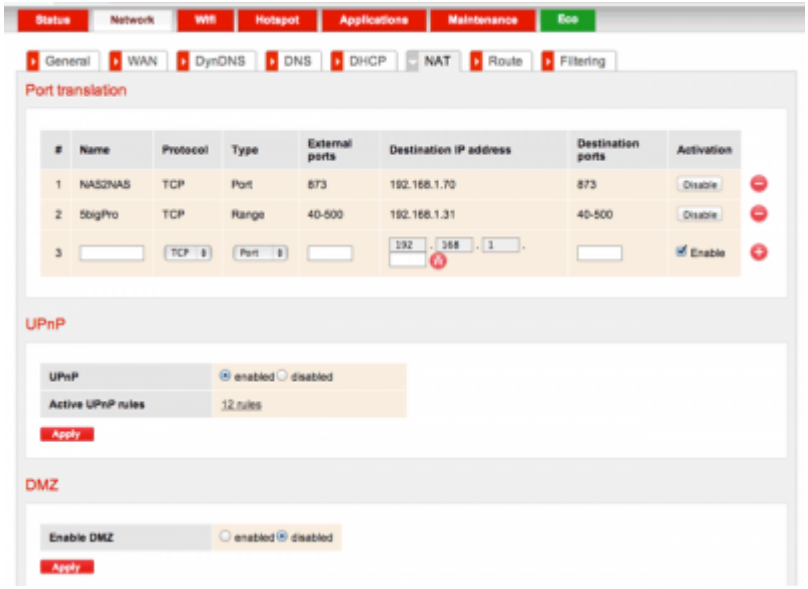
After you input the URL, you will be asked to log in to the Dashboard. Note that the username and password are the ones the administrator created in **Dashboard > Users**.

Once logged in, you will be able to access the Dashboard in order to administer your NAS (if you have administrative privileges) or access the File Browser. The File Browser lets you upload, download, and stream many types of multimedia files such as mp3. For more information on the File Browser, see File Browser.

PORT FORWARDING TAB

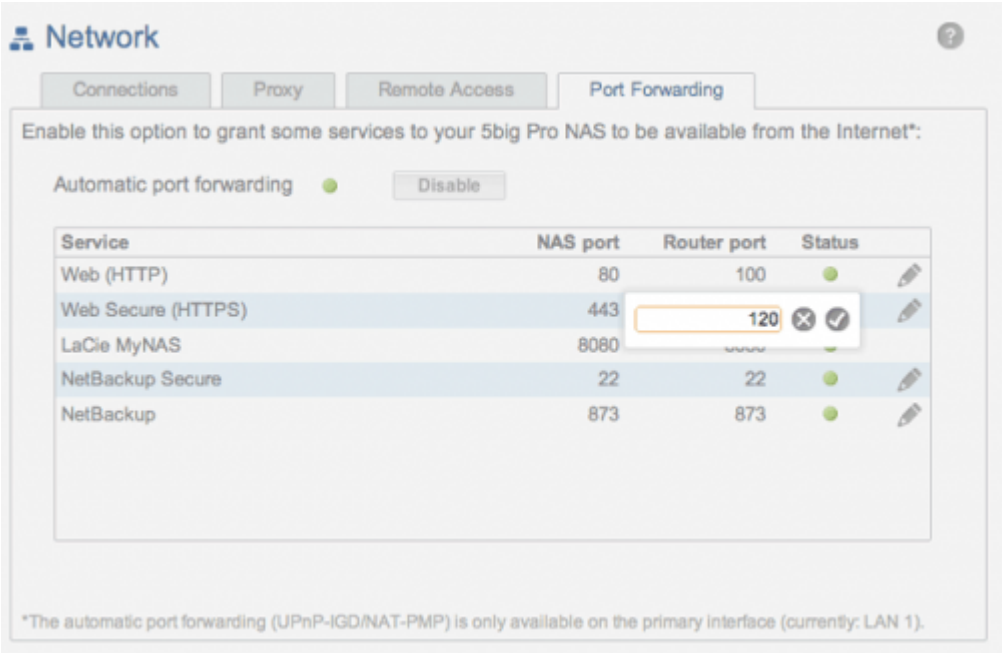


This page lets you manage the LaCie 5big NAS Pro's automatic port forwarding. In order that the LaCie 5big NAS Pro be accessible to the internet, it's necessary that certain ports are open in your router. If you need to change the ports to be forwarded for HTTP, HTTPS, or remote (LaCie MyNAS) connections, you can do so from this page.



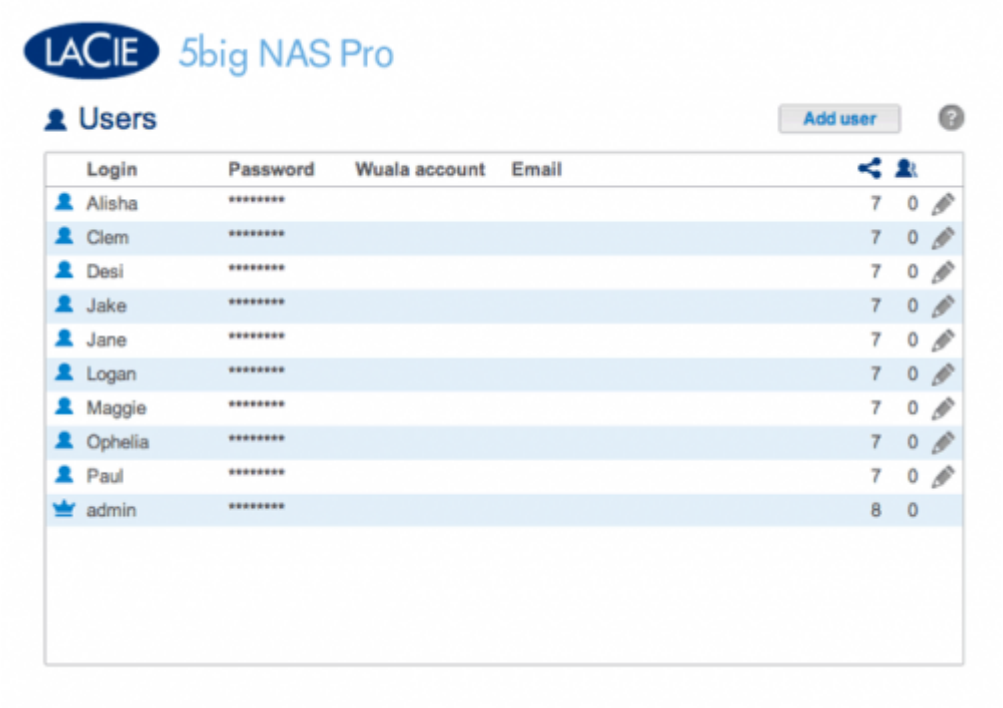
Example router administration page

To change the port for one of these services on your LaCie 5big NAS Pro, click the value in the **NAS Port** and **Router Port** columns.



To disable port forwarding for a service, click the configuration icon and then select **Disable**.

MANAGE USERS



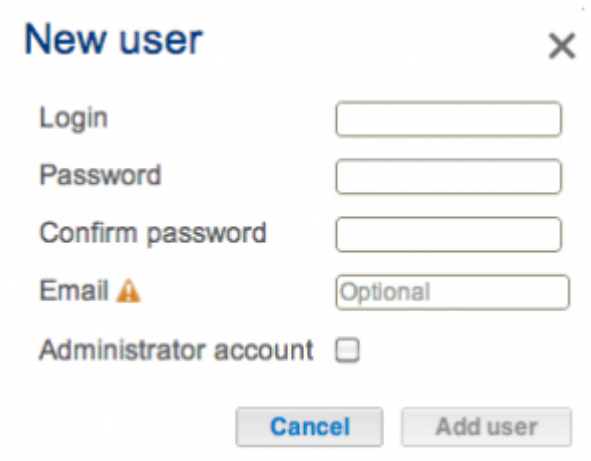
This page allows you to manage user accounts. See below for details.

NEW USER

To create a new user, click the **Add User** button, then fill out the required fields.

Important info:
The password is case-sensitive.

In text fields, you may enter from 4 to 20 characters using letters, numbers, symbols, hyphen, and underscore. Do not begin or end with a hyphen or underscore.



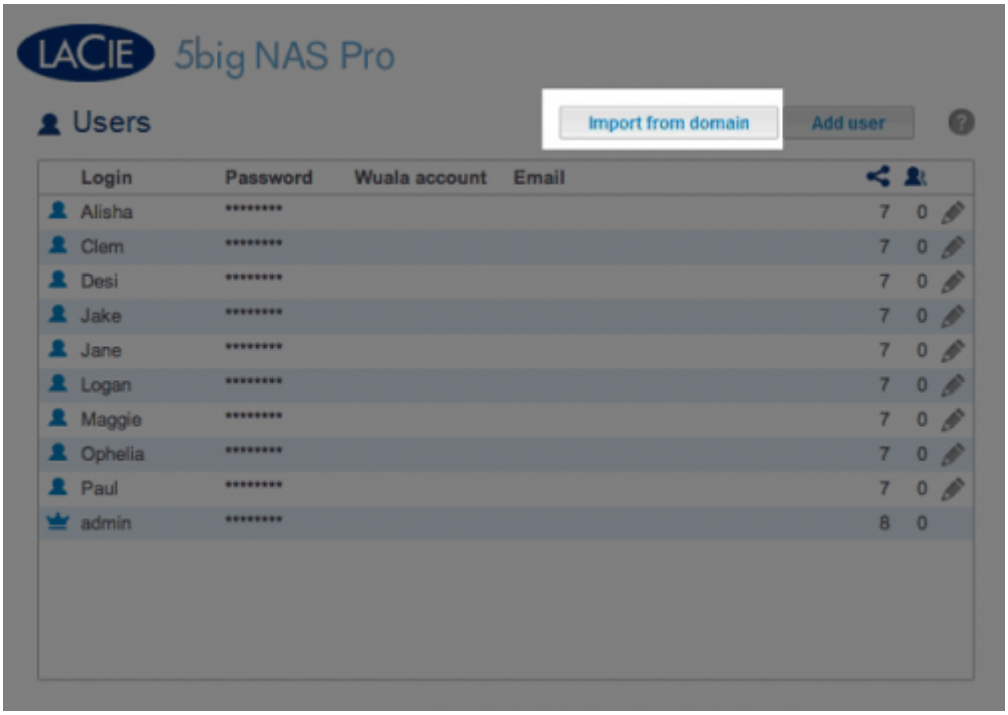
EXISTING USER

User data is organized in a table.

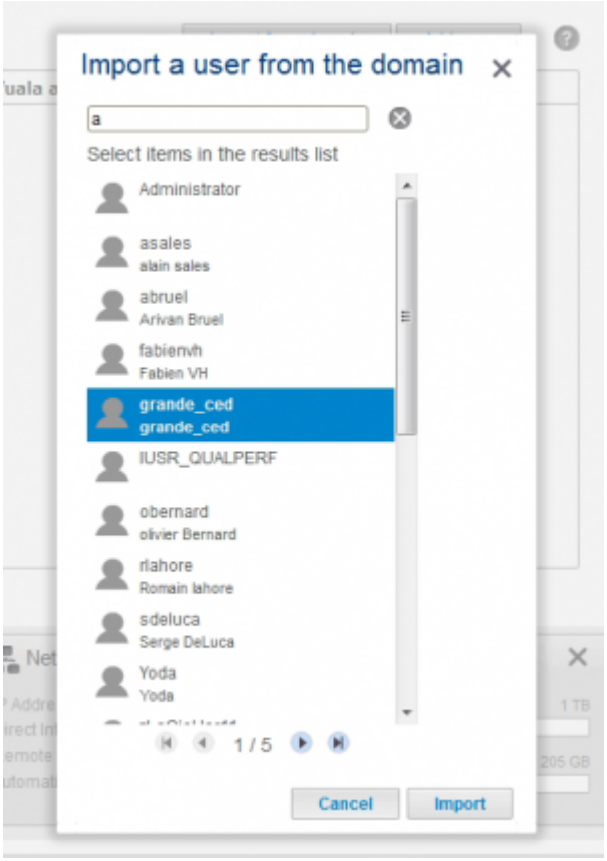
- The icons in the far left of the table indicate a user's rights:
  - Crown: Administrative privileges.
  - Blue user: Standard user privileges.
  - Grey user: Standard user privileges and the user was imported from an Active Directory.
- Click the text in the **Login** column to change the user name.
- Click the text in the **Password** column to change the user's password.
- The text in the **Wuala account** column will be completed automatically when adding users in Wuala.
- Click the text in the **Email** column to change the user's email address.
- The number in the Shares column indicates to how many shares the user has access. Click the number to view the assigned share(s).
- The number in the Groups column shows to how many groups the member belongs. Click the number to view the group(s).
- Click on the the configuration icon (pencil) to remove a user or adjust his access rights.

IMPORTING USERS FROM ACTIVE DIRECTORY

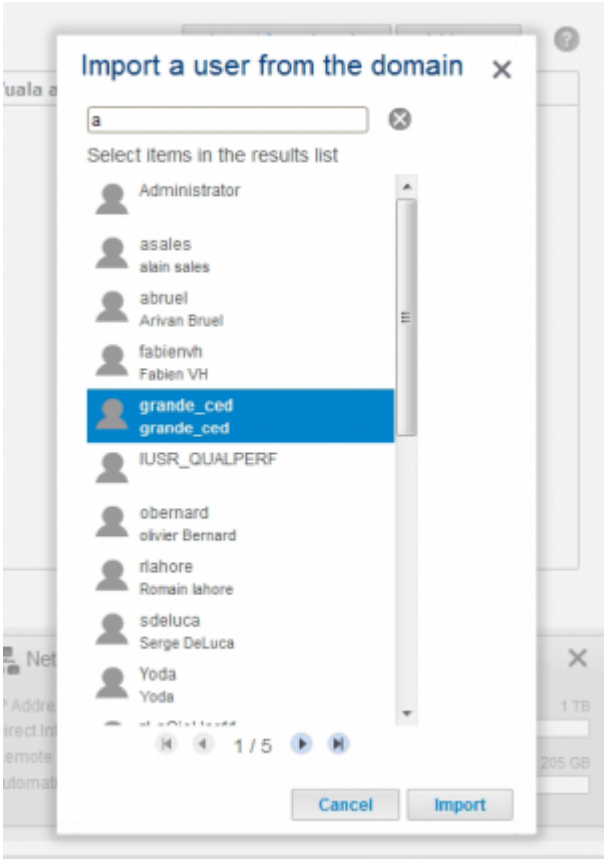
1. If you have successfully connected to an Active Directory domain (see General Settings), you will see a button labelled **Import from domain**. Click the button.



2. At the prompt, type a few characters in the text field to find the user(s) you wish to import.



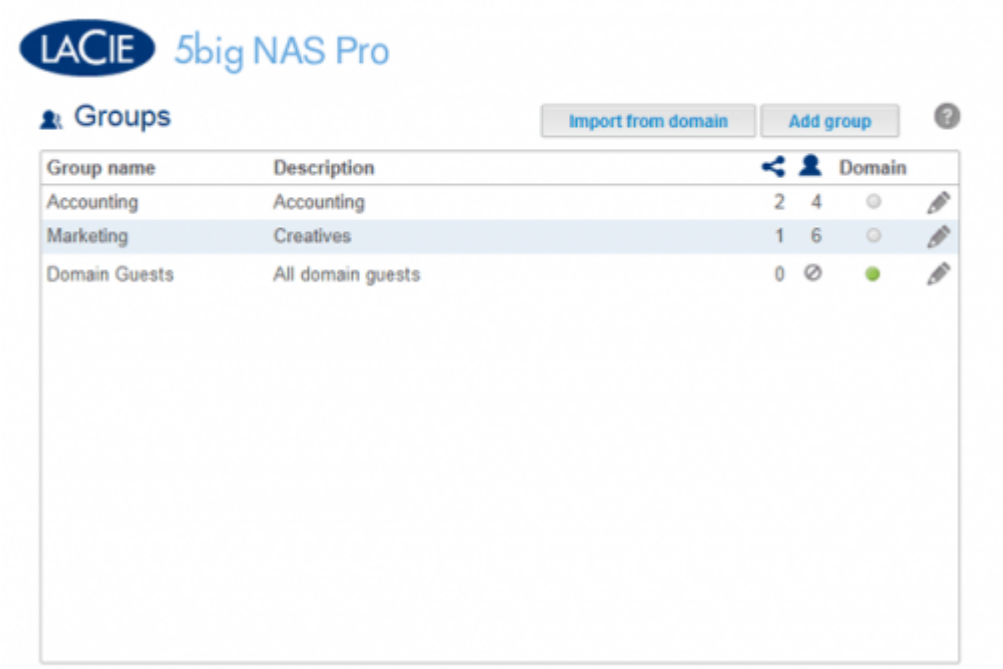
3. Hold down the Command key (Mac users) or Ctrl key (Windows users) to select multiple users.
4. Click the **Import** button.
5. The imported users will appear in the table. You can identify which users were imported from the domain because their user icons are grey.


Import a user from the domain
a
Select items in the results list
Administrator
asales
alain sales
abruel
Arivan Bruel
fabienvh
Fabien VH
grande_ced
grande_ced
IUSR_QUALPERF
obernard
olivier Bernard
rlahore
Romain lahore
sdeluca
Serge DeLuca
Yoda
Yoda
1 / 5
Cancel
Import

DELETE A USER

To delete a user, click the configuration icon at the far-right of the user's row, then click **Remove**. Confirm your wish to remove the user by clicking **Apply**.

MANAGE GROUPS



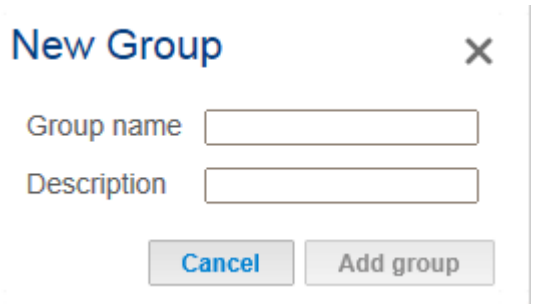
Assigning users to groups gives you powerful tools to manage large numbers of users and their privileges. They allow administrators to change access rights to entire groups rather than individually.

From this page, administrators can: create, modify, delete, and add users to groups.

Important info: In text fields, you may enter 1 to 20 characters using letters, numbers, hyphen, and underscore. No other symbols, special characters, punctuation, or spaces may be used. Do not begin or end with a hyphen or underscore.

NEW GROUP

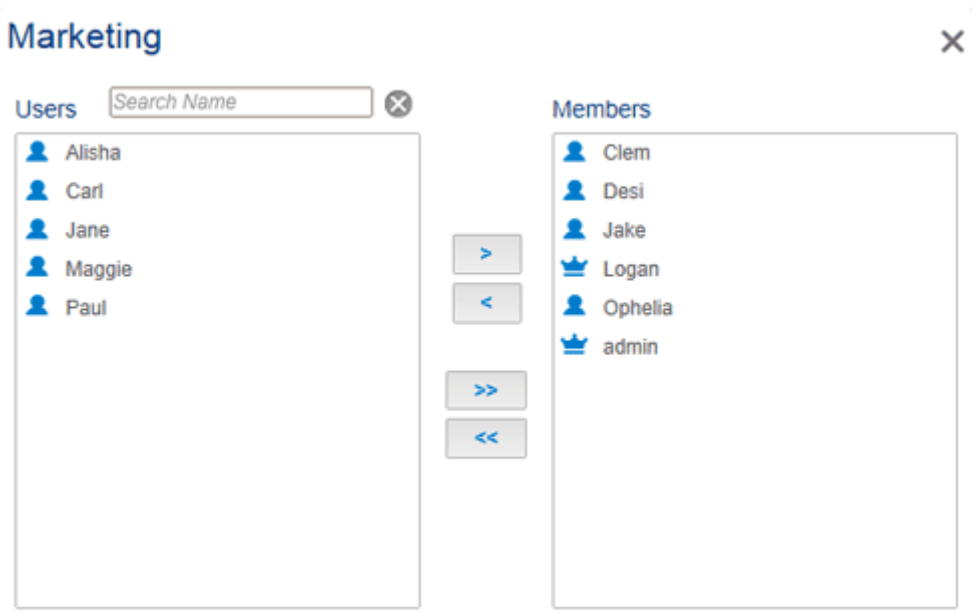
To create a new group, click the **Add group** button, then fill out the required fields.



EXISTING GROUP

Group data is organized in a table.

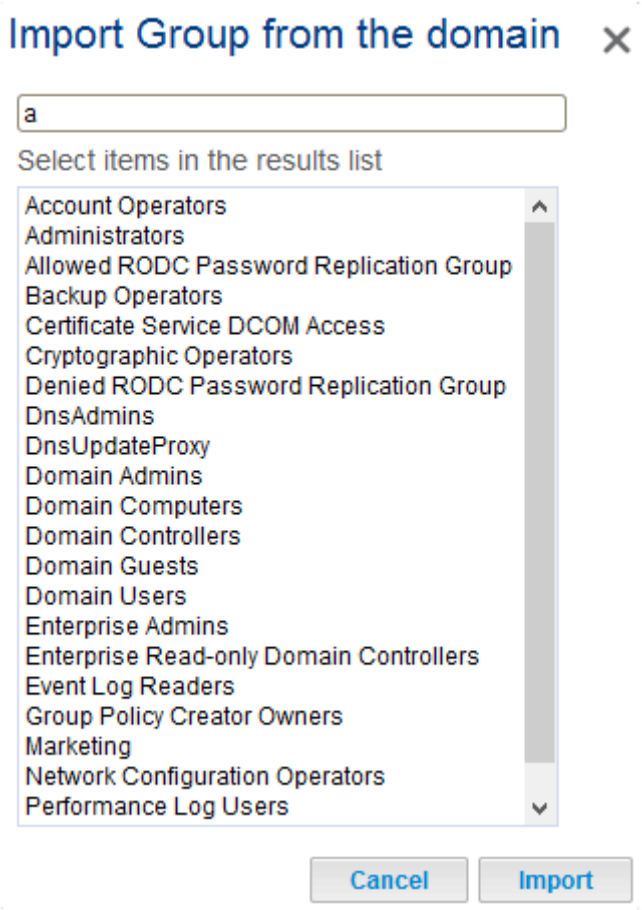
- Click the text in the **Group Name** column to change the group name.
- Click the text in the **Description** column to change the group's description (optional).
- The number in the **Shares** column (connected dots icon) shows how many shares the group has access to. Click the number to view the share(s).
- The number in the **Users** column (user icon) shows how many users belong to the group. Click the number to view the user(s).
- A green light in the **Domain** column indicates that the group has been imported from a domain.
- Click the configuration icon (pencil) to bring up a settings menu for the group. From this menu, you can select:
  - **Users** to modify group members. In the resulting window, highlight a user, then click the arrows to join/disjoin a user from the group.



- **Delete**. See below.

IMPORTING GROUPS FROM ACTIVE DIRECTORY

1. If you have successfully connected to an Active Directory domain (see General Settings), you will see a button labelled **Import from domain**. Click the button.
2. A prompt allows you to search for groups on the domain.

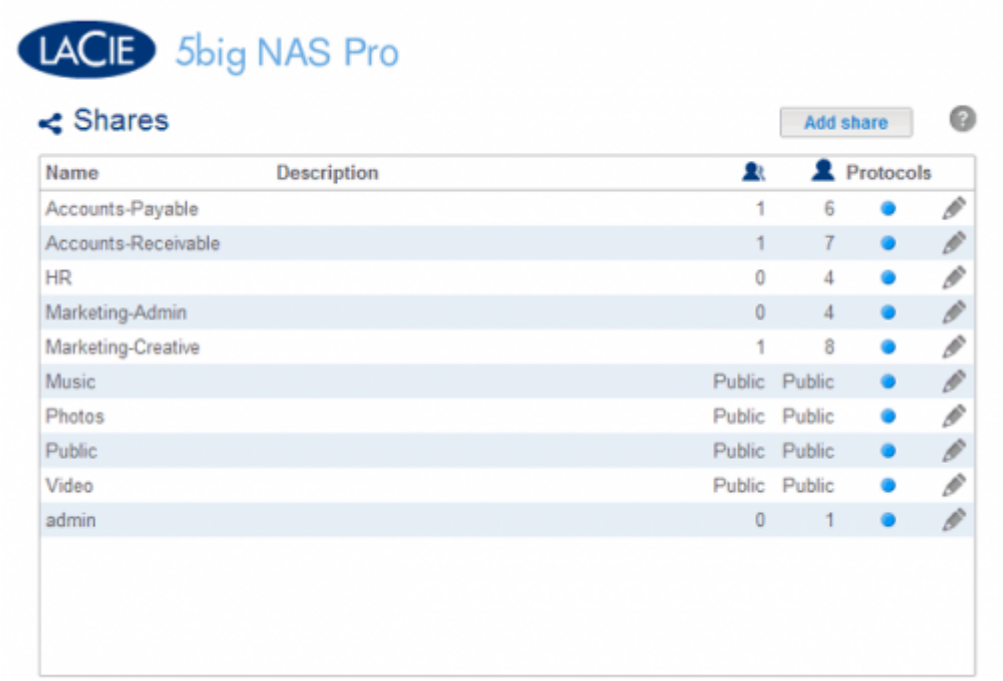


3. Hold down the Command key (Mac users) or Ctrl key (Windows users) to select multiple users.
4. Click the **Import** button.
5. The imported groups will appear in the table. You can identify which groups were imported from the domain because the circle in the **Domain** column will be green.

DELETE A GROUP

To delete a user, click the configuration icon the far right of the user's row, then click **Delete Group**. Confirm your wish in the dialogue window. Note that deleting a group will not affect user data.

MANAGE SHARES



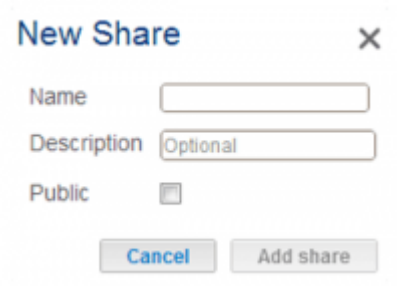
Your LaCie 5big NAS Pro's storage is divided into shares, also known as network folders. Out of the box, it has two shares, *admin* and *Public*. The Shares page in the Dashboard allows the administrator to assign access rights to users and groups, and to adjust Specific share services. Please note that the name of the share *admin* may have been changed when the administrated first logged into the Dashboard (see Connect to your Network).

Note: It's not necessary to create shares in order to use the product. Simply use the default *admin* or *Public*.

Important info: In text fields, you may enter 1 to 20 characters using letters, numbers, hyphen, and underscore. No other symbols, special characters, punctuation, or spaces may be used. Do not begin or end with a hyphen or underscore.

NEW SHARE

To create a new share, click the **Add share** button, then fill out the required fields.



EXISTING SHARES

Share data is organized in a table.

- Click the text in the **Name** column to change the share name.
- Click the text in the **Description** column to add/change the share's description (optional).
- The number in the **Groups** column (two silhouettes) shows how many groups have access to the share. Click the number to view and edit the group(s).
- The number in the **Users** column (one silhouette) shows how many users have access to the share. Click the number to view and edit the user(s).
- Click the blue circle in the **Protocols** column to open the **Access Protocols** dialogue window. See Share Protocols.
- Click the configuration icon (pencil) to bring up a settings menu for the share. Most of the options in this menu are explained above, except for the ability to make the share public/private or to delete the share. A public share is read+write for all users as well as guests.

SERVICES: INDIVIDUAL SHARES

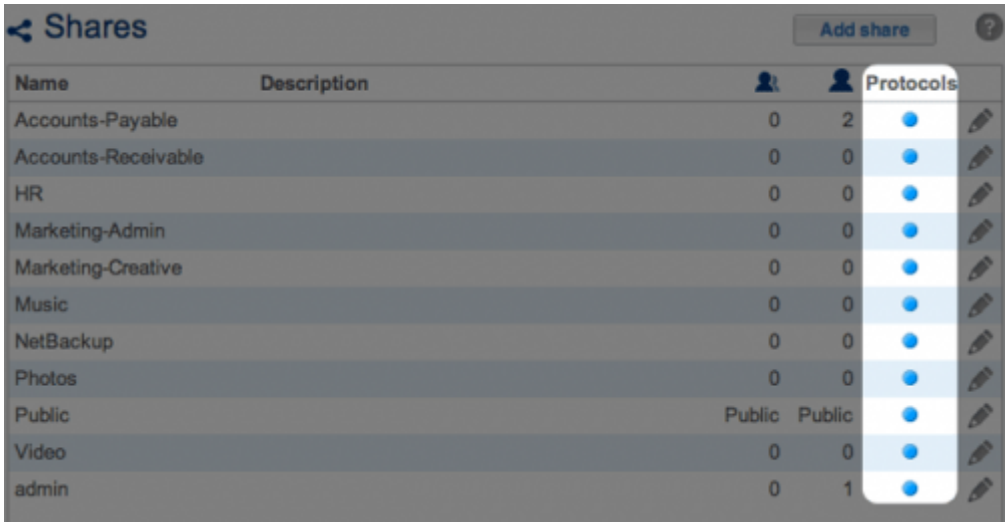
For basic information on Services, please see the General Settings tab.

Service settings are configured on three levels:

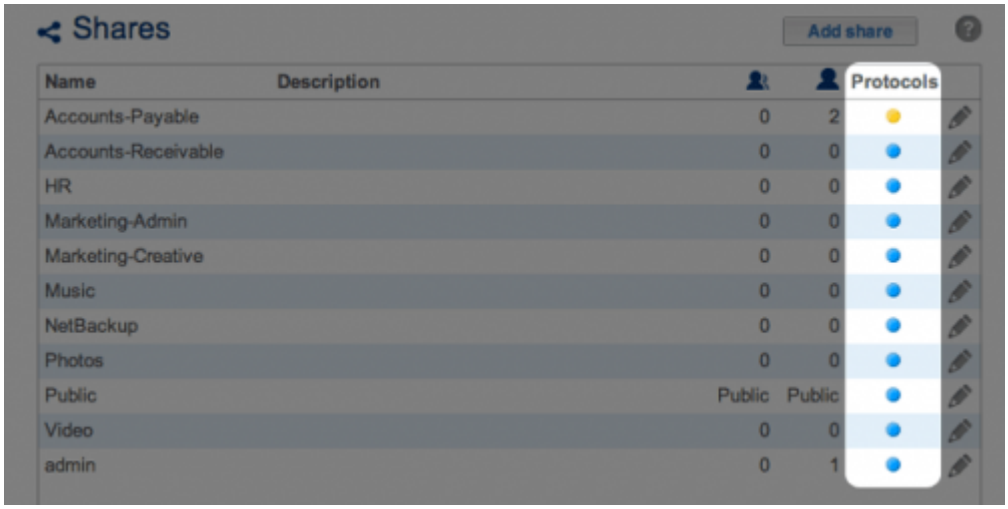
- Default value: All services are available (**Activated**) following the setup of your LaCie server. See the General Settings tab.
- Global value: Enable or disable services for all Shares within the General Settings tab.
- Specific value: Set a value for a particular Share.

Please note that Global values have priority. For example, if the administrator disables the SMB service in the General Settings tab, it cannot be activated on one or more Shares using the Specific value in the Shares tab.

The blue circle in the *Protocols* column indicate that the Shares adhere to default and/or global services settings. The LED will turn yellow if a Share has one or more services that are independent of the default and/or global protocols.



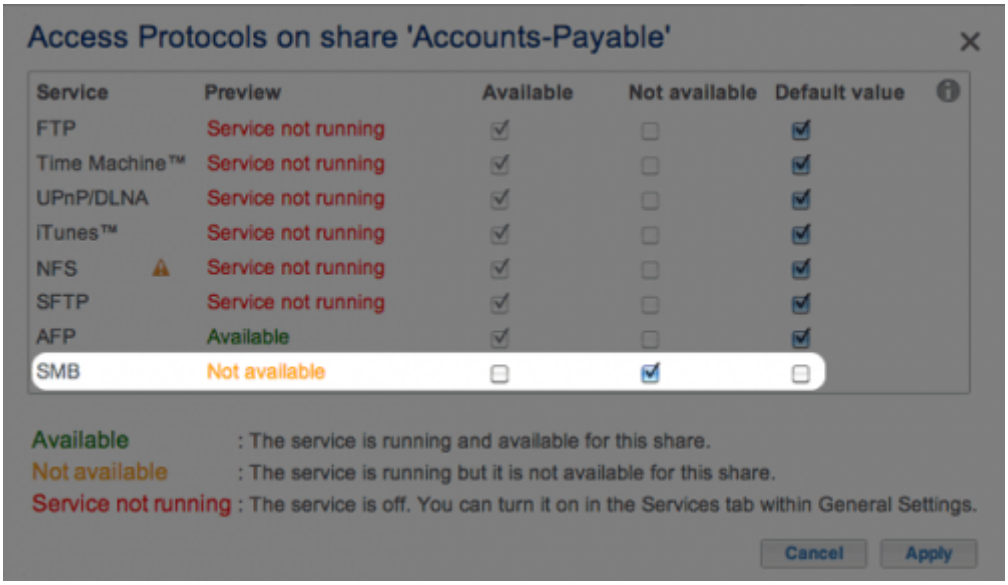
Blue Circle - Default/Global Service Protocol



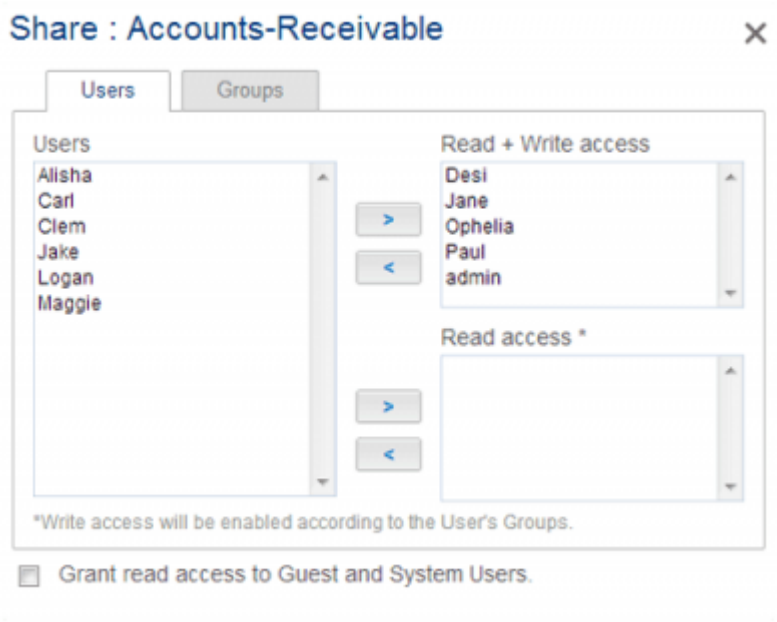
Yellow Circle - Specific Service Protocol

To change Specific service settings for individual Shares:

1. From the Shares tab, locate the Share you wish to change then select one of the following to access its Specific values:
   - Click on the circle (blue/yellow)
   - Click on the settings icon (pencil) to select **Access Protocols**.
2. Deselect **Default value** for the service(s) then select **Available** or **Not available**.



MANAGE SHARE ACCESS

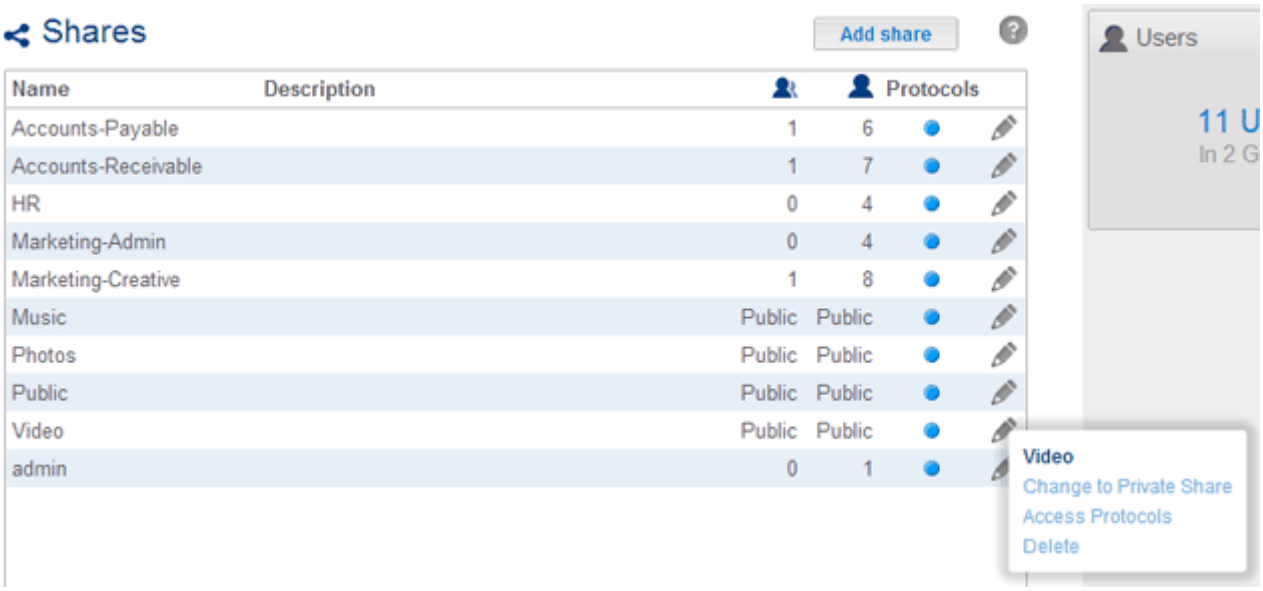


1. Click the configuration icon in the right-hand column and select either **Users** or **Groups**.
2. In the left-hand column of the resulting window, the users or groups without access to the share are listed. Select the group or user to be granted access, then click the add arrow (pointing right) either to the **Read + Write access** cell or to the **Read access** cell. To withdraw access, select a user or group in the **Read + Write access** or **Read access** cell and click the remove arrow (pointing left).

Select **Grant read access to Guest and System Users** to give read-only access to the share to non-users.

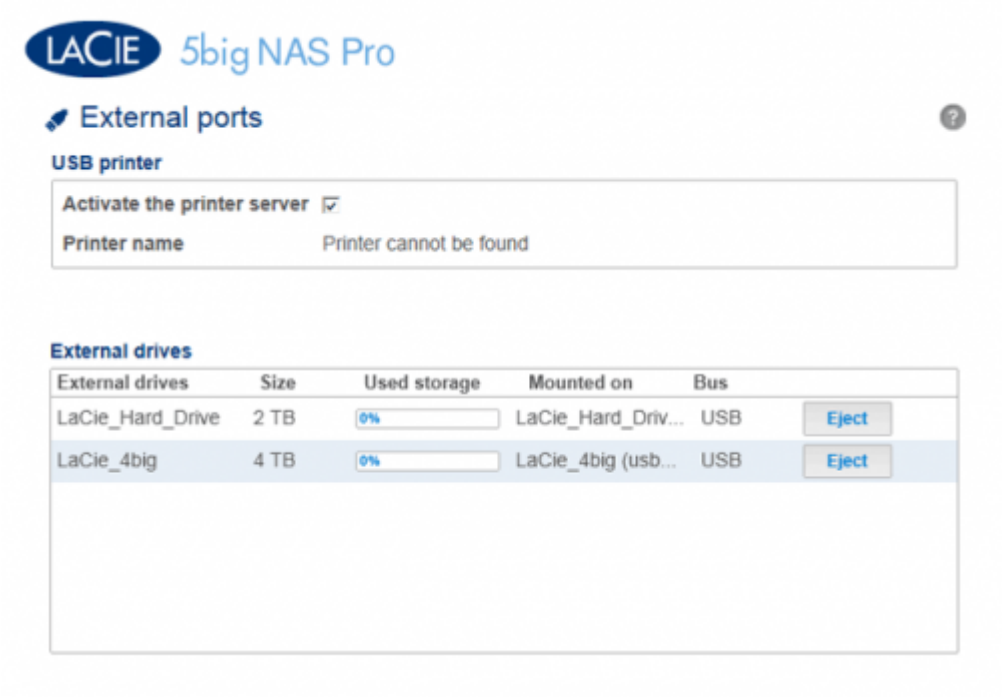
DELETE A SHARE

1. Click on the configuration icon to select **Delete**.



2. Confirm in the dialogue window. Note that deleting a share deletes all files on the share and will cause any associated backup jobs to fail.

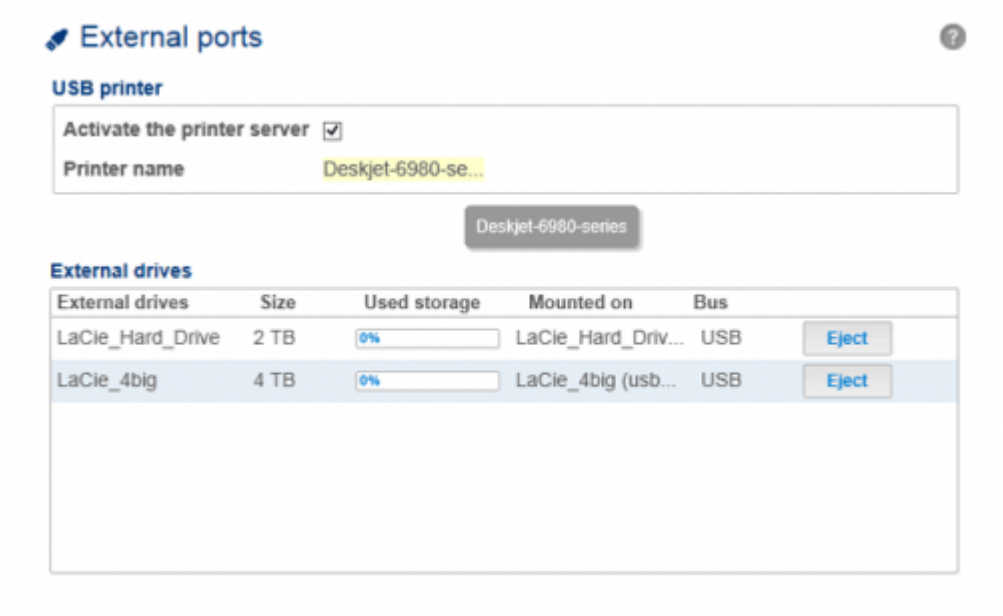
EXTERNAL PORTS



This page provides you with information on devices connected to one of the LaCie NAS's USB expansion ports.

USB PRINTER

Your LaCie NAS features a printer server. To activate it, click the **Activate the printer server** check box. Then power on the printer and connect it to the NAS via a USB expansion port on the rear of your LaCie NAS. Once connected, the printer will become available throughout your network. Please note that drivers for your printer may be required on the host computer.



Important info: For multi-function printers, only the print feature is supported. If your printer has a scan feature, for example, it will not work when connected to LaCie NAS.

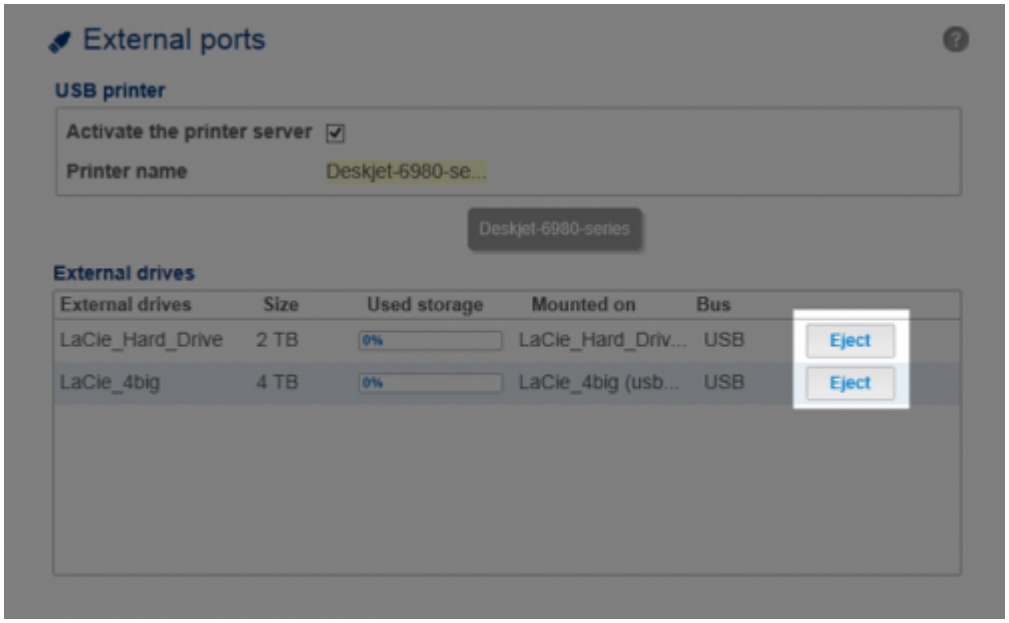
In addition, only PostScript printers are supported. If your printer does not display on the Dashboard - External Ports page, it is likely that the printer does not support PostScript printing. This is frequently the case with multi-function and photo printers. LaCie cannot guarantee that your printer supports the proper protocols to make it a networked printer.

Refer here for compatible printers.

EXTERNAL DRIVES

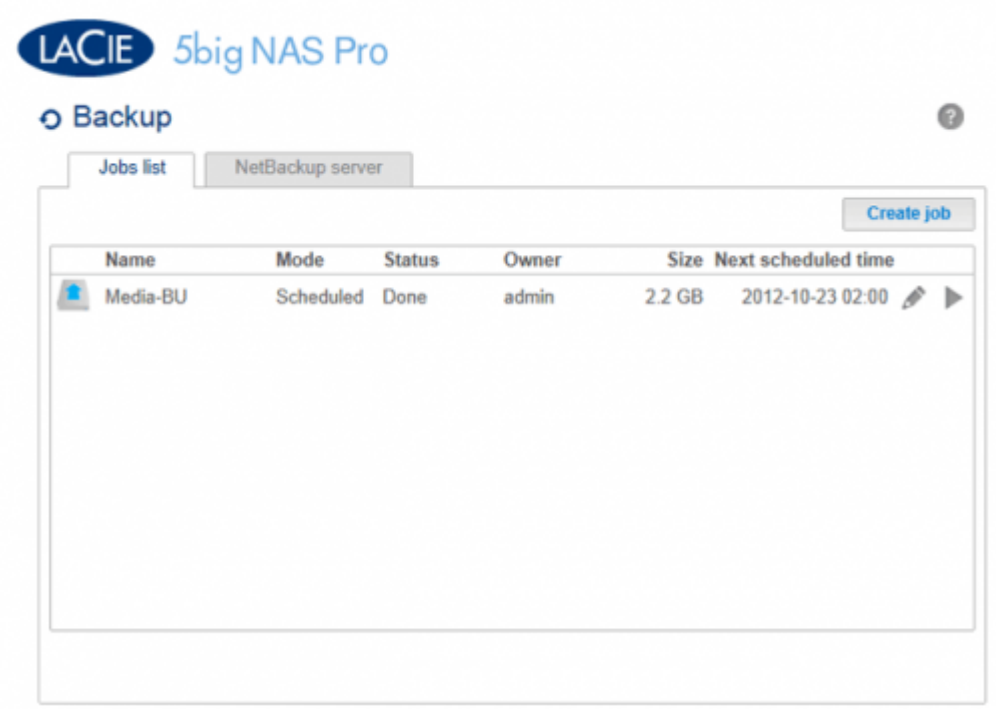
Connect an external hard drive to the LaCie NAS via USB and it will be listed on this page. Once connected, it will behave similarly to the local shares on your LaCie NAS. It will be listed on the **Dashboard > Shares** page and can be accessed using your operating system's file system (Explorer Window for Windows users, and Finder for Mac users). However, external hard drives are always fully public on the network and their names cannot be changed.

To avoid damaging your external hard drive's file system, click the **Eject** button before disconnecting it from your LaCie NAS.



Technical note: External USB hard disks must be formatted in one of the supported systems to be compatible with your LaCie NAS: MS-DOS (FAT32), NTFS, HFS+ (non-journaled only), EXT3, or XFS.

BACKUP



The Backup page helps the administrator and users configure *Backup and Restore Jobs* of data stored on the LaCie 5big NAS Pro. A backup job can be:

- One-time and/or manual backups.
- An automated backup that runs daily, weekly, or monthly.
- A restore of all or select files from a backup.

The Backup page features a **Backup & Restore Wizard** to guide you through the setup. Types of backup for public and private folders:

- Local (Direct-attached storage (DAS)): *Share A* on a LaCie 5big NAS Pro to a hard drive connected to one of the server's USB ports. When you back up files to a DAS, the system keeps up to 10 copies of the backup job. Each iteration of a backup job has a specific date and time giving you the flexibility to restore earlier versions of files. This can be helpful if someone has deleted or made revisions to a document and you wish to revert to an earlier version.
- Remote Network Backup (Local Network): A folder on the LaCie 5big NAS Pro to a folder on a second LaCie network attached storage (NAS) on your local network. For example, *Share A* on the LaCie 5big NAS Pro in your office to a LaCie 2big NAS in your colleague's office.
- Remote Network Backup (Offsite): A folder on the LaCie 5big NAS Pro to a folder on a second LaCie network attached storage (NAS) outside of your local network. For example, *Share A* on your LaCie 5big NAS Pro in your home office to a LaCie 5big NAS Pro at a colleague's office.

Backup Examples:

Backup: To prevent data loss due to drive failure, fire, flood, or theft, you wish to back up folders on a LaCie 5big NAS Pro in your office to a LaCie 5big NAS Pro at another office. You can use the Backup page to set up a remote backup to a LaCie 5big NAS Pro at another location (offsite).

Restore: Someone in the office accidentally deleted an important spreadsheet from his personal share.

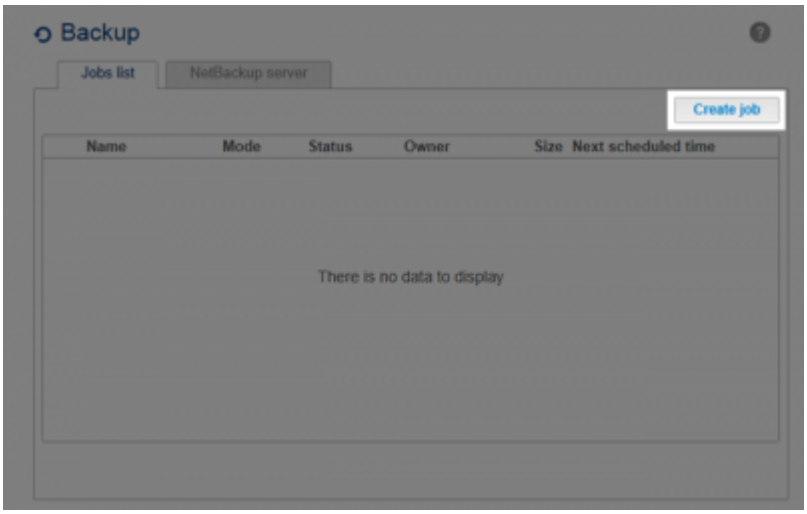
Thankfully, he backed up his personal share every night onto the DAS connected to the 5big NAS Pro. Use the Backup page to begin a Restore Job to retrieve the missing document.

Important info: Depending upon the amount of data you intend to back up and the speed of your network, the first backup may take several hours or, in the case of offsite backups, several days.

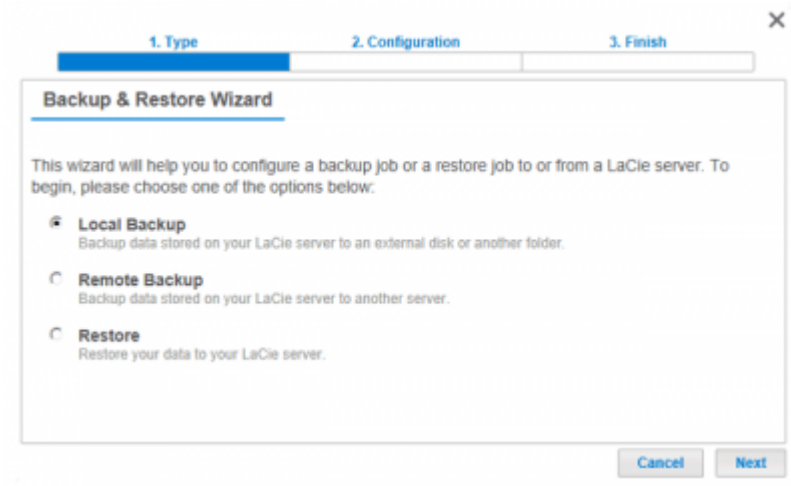
SET UP A LOCAL (DAS) BACKUP

Local

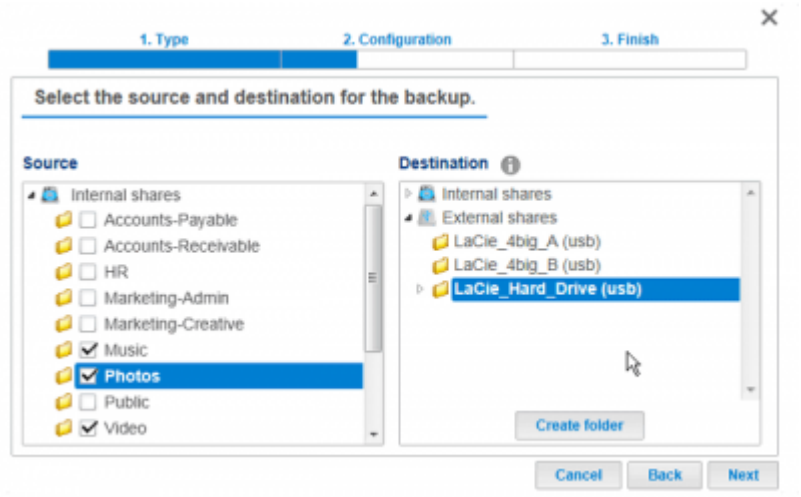
1. Choose the **Backup** page in the Dashboard.
2. Click the **Create job** button.



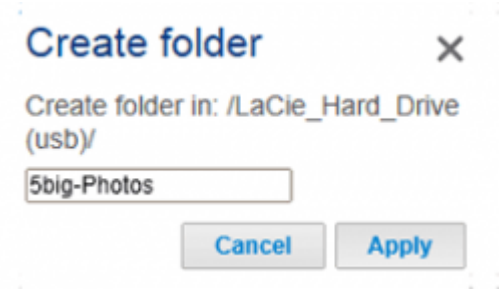
3. Select **Local Backup** then click **Next**.


1. Type
2. Configuration
3. Finish
Backup & Restore Wizard
This wizard will help you to configure a backup job or a restore job to or from a LaCie server. To begin, please choose one of the options below:
Local Backup
Backup data stored on your LaCie server to an external disk or another folder.
Remote Backup
Backup data stored on your LaCie server to another server.
Restore
Restore your data to your LaCie server.
Cancel
Next

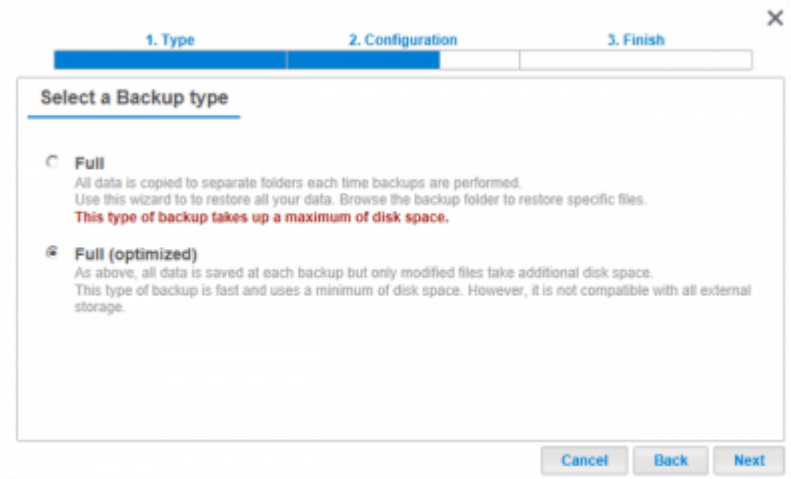
4. Under **Source** on the left, select the *Internal Share(s)* you wish to backup.



5. Under **Destination** on the right, select the *External Share* you wish to use for the backup. LaCie highly recommends that you create a folder inside the share to store the backup. Click on the **CREATE FOLDER** button to add a folder to the share. Click **Next**.

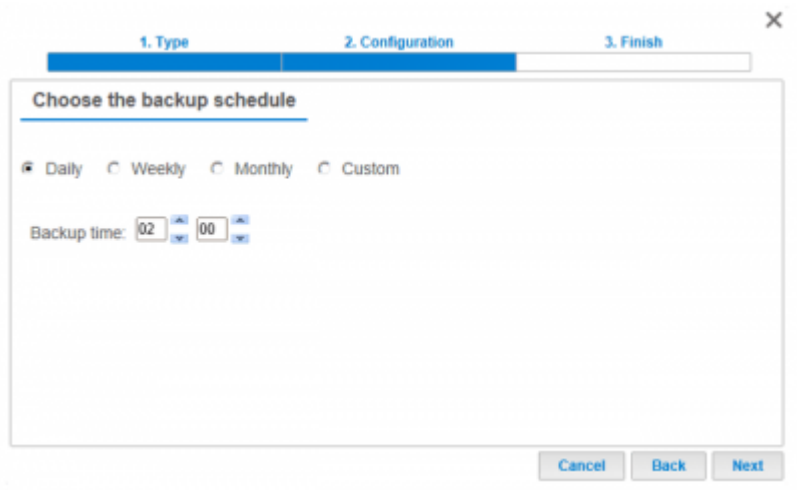


6. Select a backup type, then click **Next**.

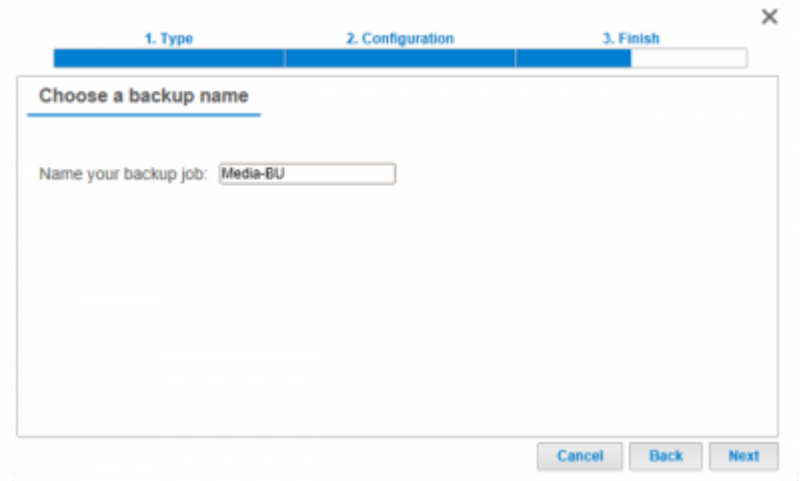

1. Type
2. Configuration
3. Finish
Select a Backup type
Full
All data is copied to separate folders each time backups are performed.
Use this wizard to to restore all your data. Browse the backup folder to restore specific files.
This type of backup takes up a maximum of disk space.
Full (optimized)
As above, all data is saved at each backup but only modified files take additional disk space.
This type of backup is fast and uses a minimum of disk space. However, it is not compatible with all external storage.
Cancel
Back
Next

- **Full** means the entire contents of the source folder will be saved each time the backup job runs. This method offers high security but may not be the most efficient use of storage capacity.
- **Full (optimized)** means that, after the initial full backup, only modified (or missing or new) files are modified in subsequent backups.

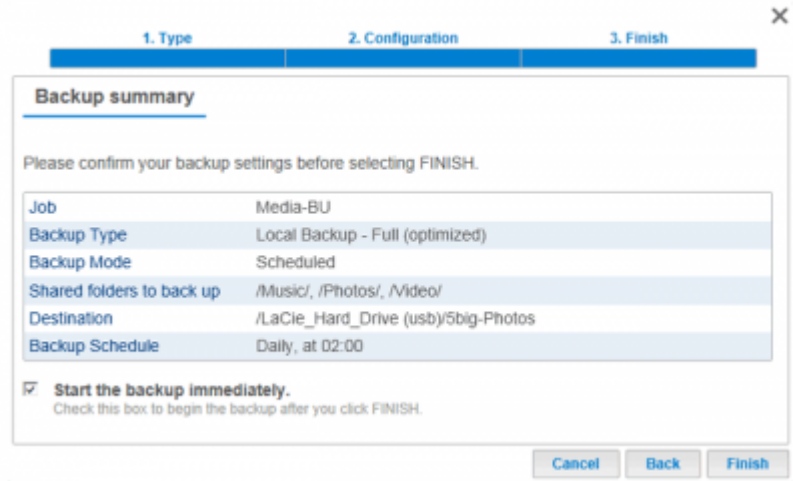
7. Select **Manual**, **Scheduled**, or **Custom** then click **Next**.
8. (Skip this step if you chose *Manual*.) Select the frequency for your backup and the time of day. click **Next**.



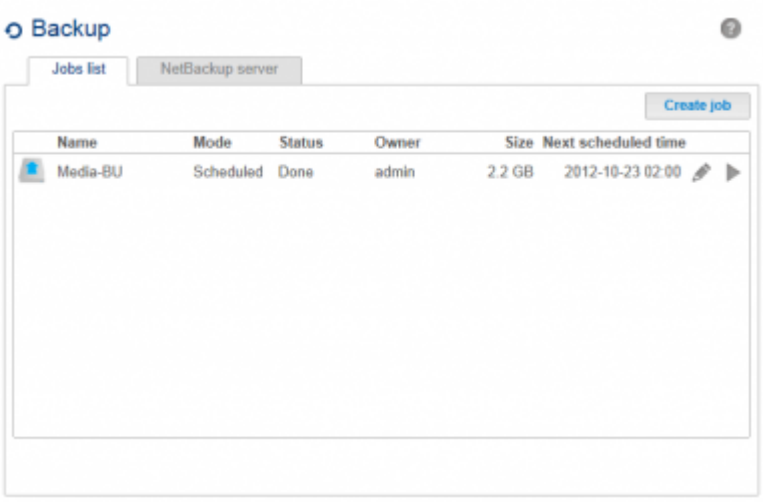
9. Enter a name for the backup job then click **Next**.



10. Confirm the backup settings on the *Backup summary*. If you wish to begin the backup immediately, keep the box checked next to **Start the backup immediately** and click **Finish**.



The backup job will appear on the **Dashboard > Backup** page.



Note on Manual Backups: A manual backup must be started by the administrator or user:

1. Navigate to the Dashboard **Backup** page.
2. Locate the manual backup job you wish to start then click on its grey arrow icon on the far right.

SET UP REMOTE BACKUPS

Remote backups will copy data from a share on your LaCie 5big NAS Pro to a share/volume on a second NAS. A second NAS could be another LaCie 5big NAS Pro or an alternative LaCie NAS device (see LaCie Network Storage for details). The share that you wish to back up on your LaCie 5big NAS Pro is the *Source*. The second NAS is the *Destination* storage device that will store the backup.

Source NAS	Destination NAS	Destination NAS Location	Destination Folder	Type of Remote Backup
LaCie 5big NAS Pro A on the local network	LaCie 5big NAS Pro B or a third-party rsync-compatible NAS (see note on *rsync* below)	Local network	NetBackup Share (see NetBackup Share)	Local NAS-to-NAS
LaCie 5big NAS Pro A on the local network	LaCie 5big NAS Pro B or a third-party rsync compatible NAS (see note on *rsync* below)	Network outside of the local network (e.g. a colleague's home or another office)	NetBackup Share (see NetBackup Share)	Offsite NAS-to-NAS

Note on rsync: A complete explanation of the networking term *rsync* is beyond the scope of this user manual. For your LaCie 5big NAS Pro, rsync is used to indicate compatibility for data transfers/backups to non-LaCie (third-party) network storage devices. For more information on rsync, see http://en.wikipedia.org/wiki/Rsync.

NetBackup Share

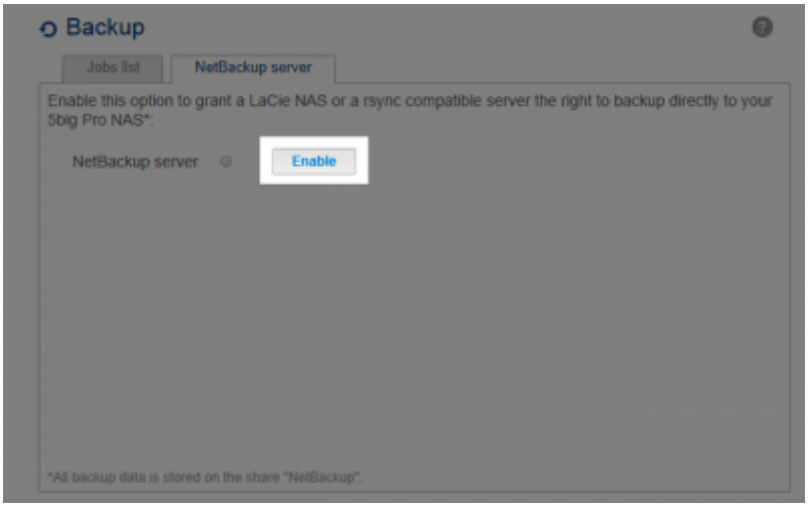
All Remote Backups from your LaCie 5big NAS Pro must be copied to a special share called *NetBackup* on the Destination NAS. Therefore, you must enable the NetBackup Share on the destination NAS before setting up a remote backup.

Enable the NetBackup Share

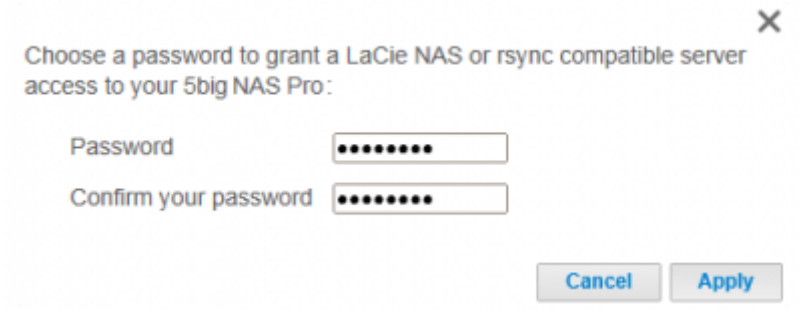
1. Launch the Dashboard for the **Destination NAS**.
2. Navigate to the **Backup** page in the Dashboard and select the tab **NetBackup server**.

Backup
Jobs list
NetBackup server
Enable this option to grant a LaCie NAS or a rsync compatible server the right to backup directly to your 5big Pro NAS*:
NetBackup server
Enable
*All backup data is stored on the share "NetBackup".

3. Click on **ENABLE**.


Backup
Jobs list
NetBackup server
Enable this option to grant a LaCie NAS or a rsync compatible server the right to backup directly to your 5big Pro NAS*:
NetBackup server
Enable
*All backup data is stored on the share "NetBackup".

4. At the prompt, enter and confirm a password then click **Apply**. The password can be different from the password you used for your share(s)/Dashboard. Your NetBackup password will be needed when you set up a Remote Backup.


Choose a password to grant a LaCie NAS or rsync compatible server access to your 5big NAS Pro:
Password
Confirm your password
Cancel
Apply

5. With NetBackup enabled, the Dashboard provides a summary page of the settings. You may refer to this page if you forget the password or you wish to disable the NetBackup share.

Important info:

- The NetBackup Share can only be accessed by the administrator of the LaCie NAS.
- The administrator can find the NetBackup password if it is forgotten. Go to the NetBackup tab and click on the magnifying glass icon.

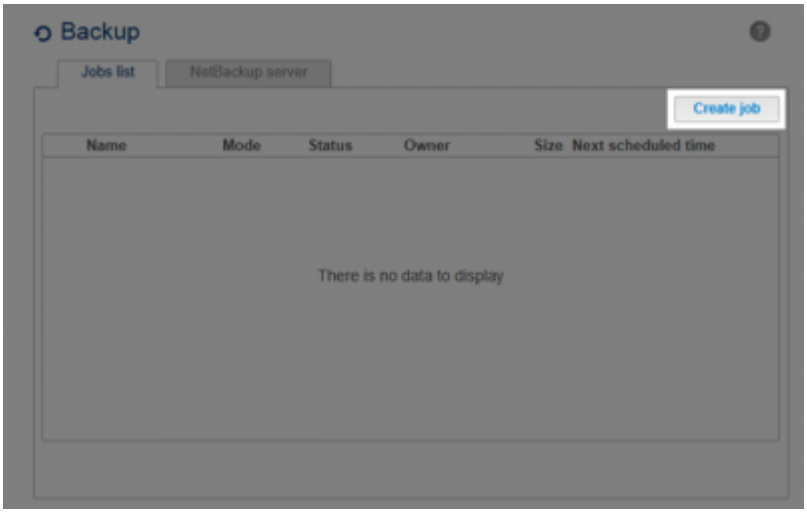
Remote Backup: Local Network

Setup

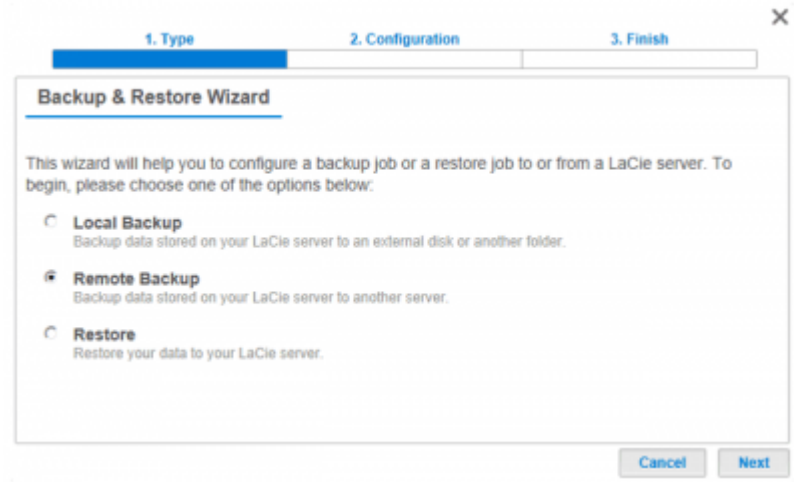
Before following the instructions below, please make certain that:

- The Destination NAS is connected to the same network as your LaCie 5big Pro NAS and that it is powered on.
- The NetBackup Share has been enabled on the Destination LaCie NAS.

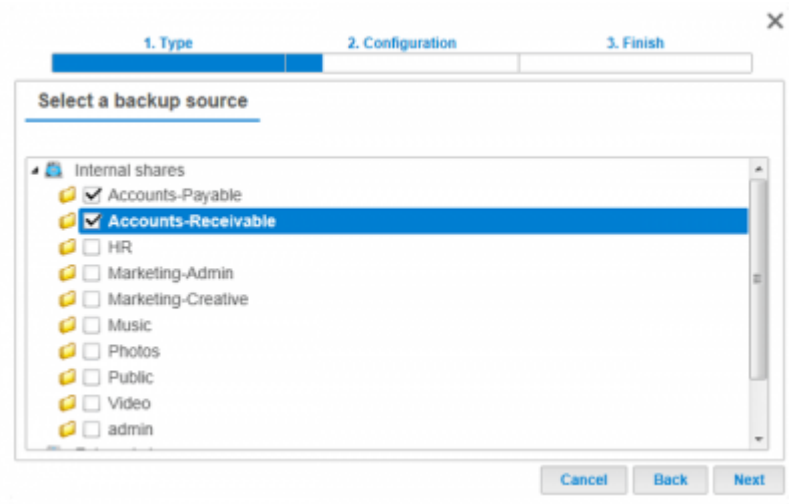
1. Access your LaCie 5big NAS Pro's Dashboard (see Dashboard (Administration)) and navigate to the Backup page.
2. Click the **Create job** button to launch the Backup & Restore Wizard.



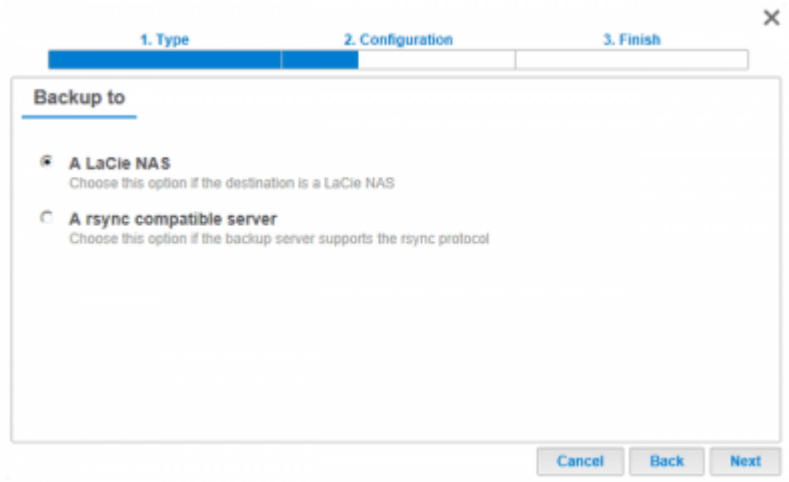
3. Select **Remote Backup** and click **Next**.


1. Type
2. Configuration
3. Finish
Backup & Restore Wizard
This wizard will help you to configure a backup job or a restore job to or from a LaCie server. To begin, please choose one of the options below:
Local Backup
Backup data stored on your LaCie server to an external disk or another folder.
Remote Backup
Backup data stored on your LaCie server to another server.
Restore
Restore your data to your LaCie server.
Cancel
Next

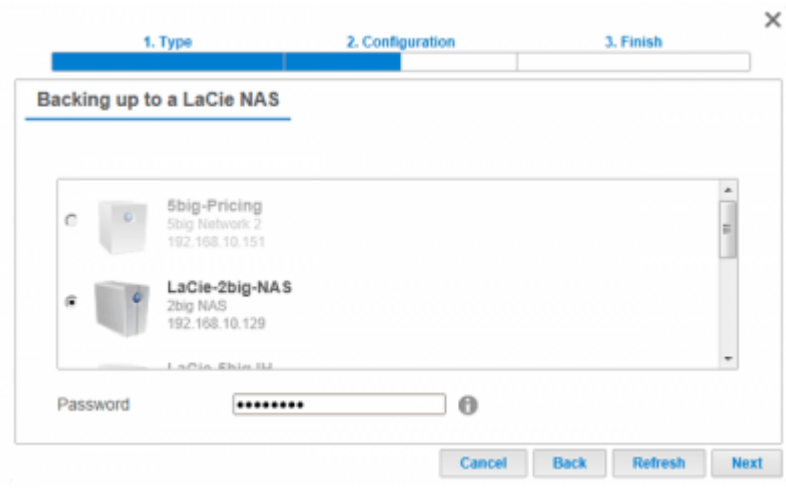
4. Select the share(s) you want to back up then click **Next**.



5. Select **A LaCie NAS** to back up to another LaCie network storage device. The steps that follow do not cover backups to third-party network storage devices that are compatible with sync. If you are backing up to an rsyinc compatible server, please follow the directions provided by the Dashboard.

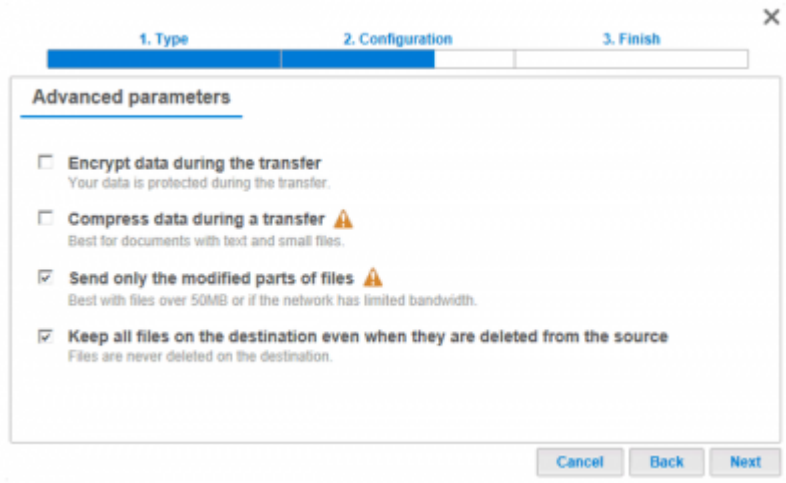


6. Click **Next**.
7. The second LaCie NAS that you are using as a Destination NAS should appear. Select it and enter the NetBackup password for the Destination NAS. Click **Next**. (See the section on NetBackup for further information on the Destination NAS password.)



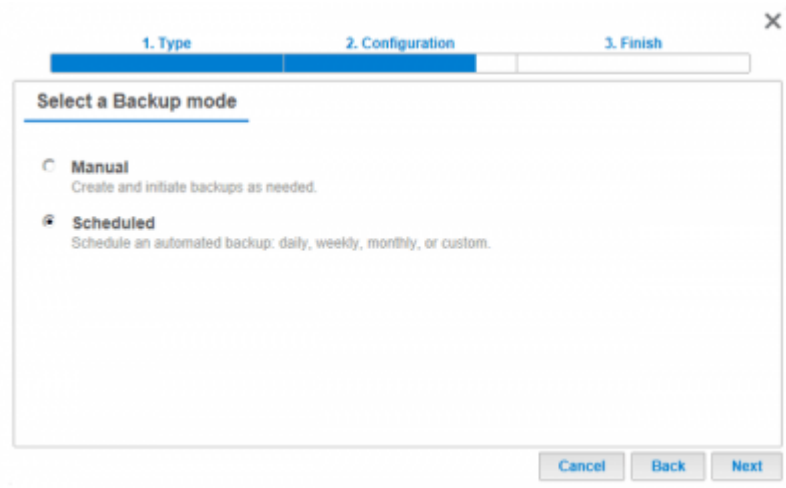
- If the LaCie NAS is listed but cannot be selected, you must enable NetBackup Server. See the instructions above, NetBackup Share.
- If the LaCie NAS does not appear on the list, please make certain it is powered on and out of sleep mode (Eco Management).

8. The Advanced Parameters window lists four options for your backup (Please note that you do not have to select one or more of the Advanced parameters to continue with the backup.):

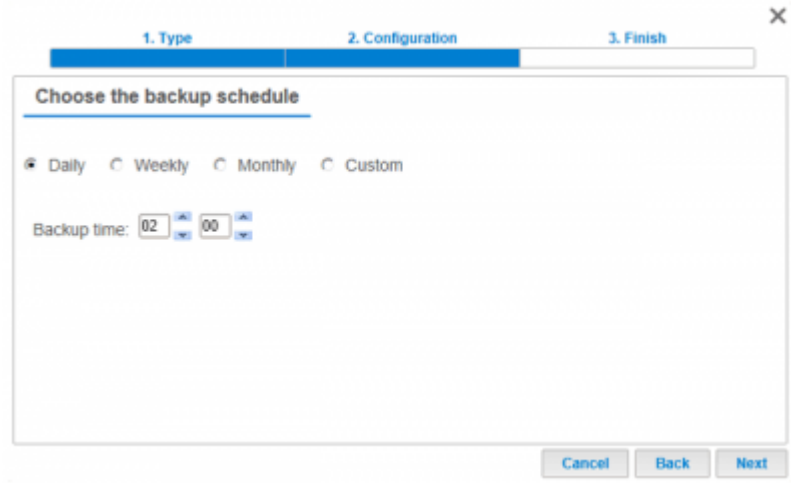

1. Type
2. Configuration
3. Finish
Advanced parameters
Encrypt data during the transfer
Your data is protected during the transfer.
Compress data during a transfer
Best for documents with text and small files.
Send only the modified parts of files
Best with files over 50MB or if the network has limited bandwidth.
Keep all files on the destination even when they are deleted from the source
Files are never deleted on the destination.
Cancel
Back
Next

- Encryption provides secure data transfers over the network. This is ideal for offsite backups.
- Compressing data will optimize data transmission rates. This is ideal for low bandwidth networks.
- Sending modified parts of files is best used with backups that include files larger than 50MB. For example, if you edit a document that has already been backed up, only the edits will be copied during the next backup.
- You can leave data on the Destination NAS even if it is deleted from your LaCie 5big NAS Pro. Please note that this will take up a good amount of storage on your Destination NAS.

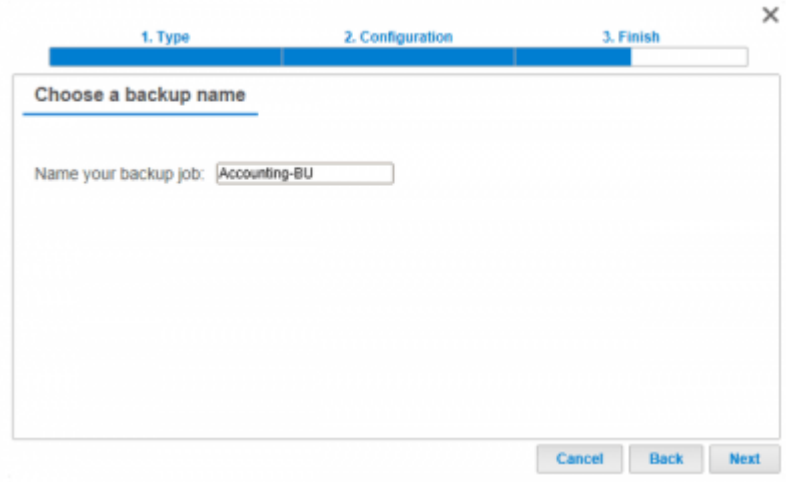
9. Click **Next**.
10. Set the frequency for the backup.



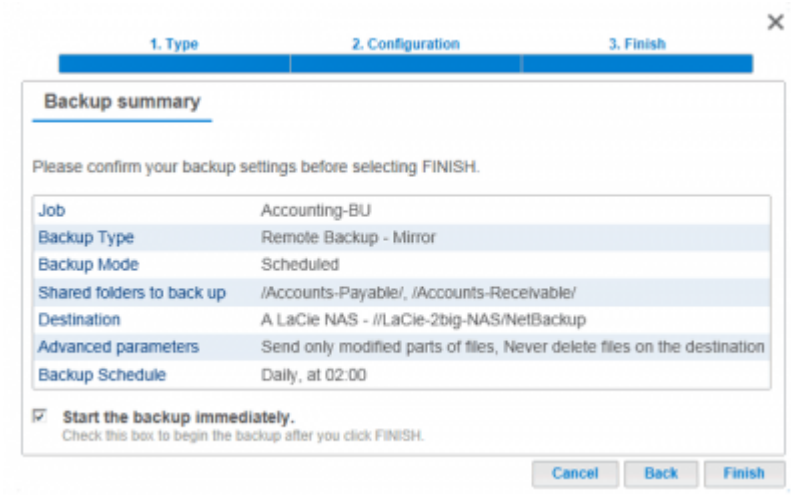
- *Manual*: You must initiate the backup.
- *Scheduled*: The backup will begin at the scheduled time.



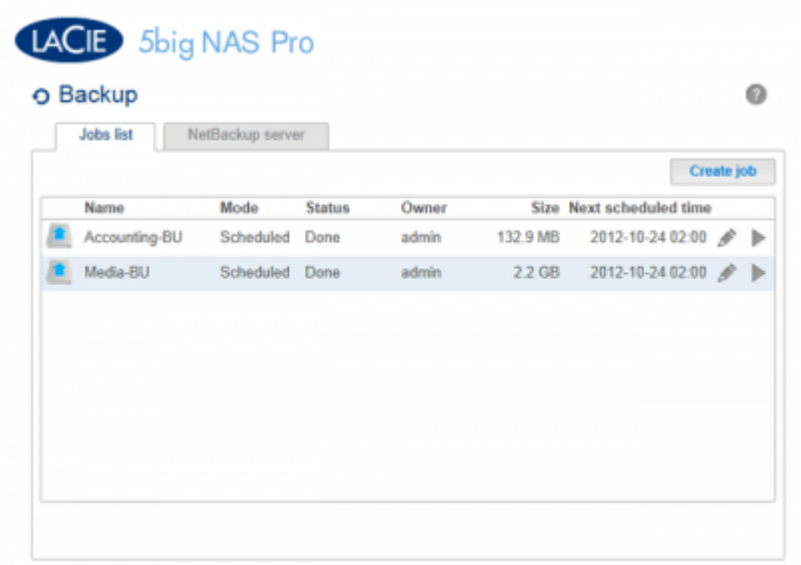
11. Enter a name for the backup job then click **Next**.



12. Review the summary page then click **Finish**.



The backup will be listed on the **Dashboard > Backup** page.



Note on Manual Backups: A manual backup must be started by the administrator or user:

1. Choose the **Backup** page in the Dashboard.
2. Locate the manual backup job you wish to start then click on its grey arrow icon on the far right.

Remote Backup: Offsite Network

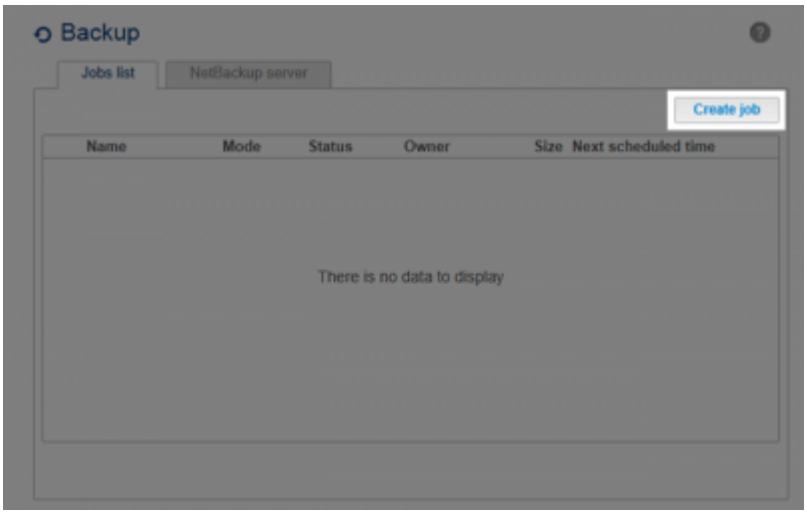
Setup

Please review the list of prerequisites for an offsite backup before following the instructions:

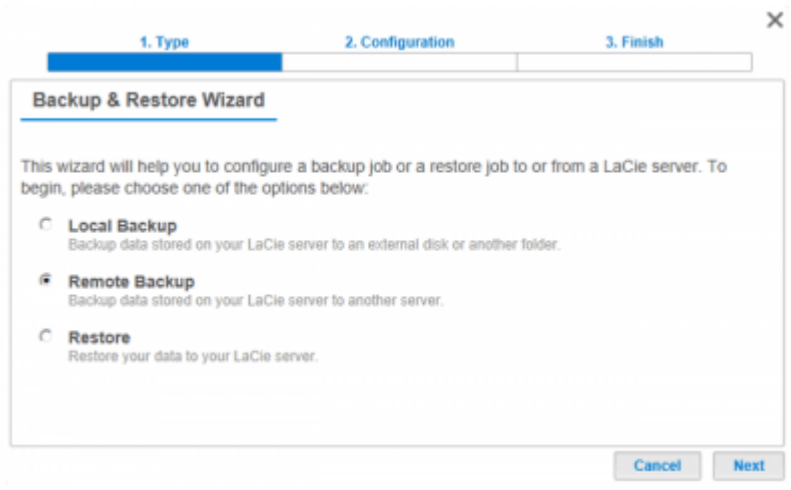
- The Destination NAS is connected to an offsite network and powered on.
- You must have the **public IP address** for the Destination NAS. The public IP address has been assigned to your router by an internet service provider. You can find the public IP address by clicking here or by accessing your router's management software. When searching for the public IP address, use a computer connected to the same router as the Destination NAS. For further information, review the user manual for the offsite network router or contact your internet service provider. An explanation of IP addressing is available at http://en.wikipedia.org/wiki/IP_address.
- Use your router's management software at the offsite location to open port numbers 22 and 873 to the Destination NAS. (To learn how to open ports on your router, review the user manual for the offsite network router or contact your internet service provider.)
- Enable the NetBackup Share on the Destination NAS (see NetBackup Share).

Offsite Backup Setup

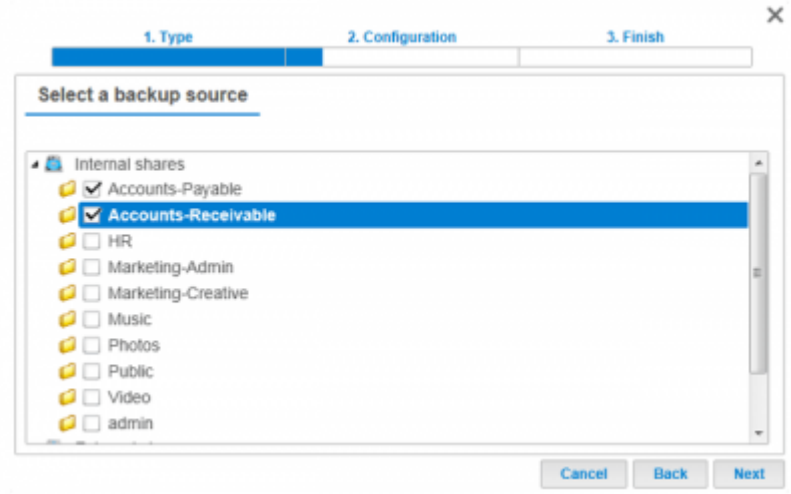
1. Go to your LaCie 5big NAS Pro Dashboard to select the **Backup** page.
2. Click the **Create job** button to launch the Backup & Restore Wizard.



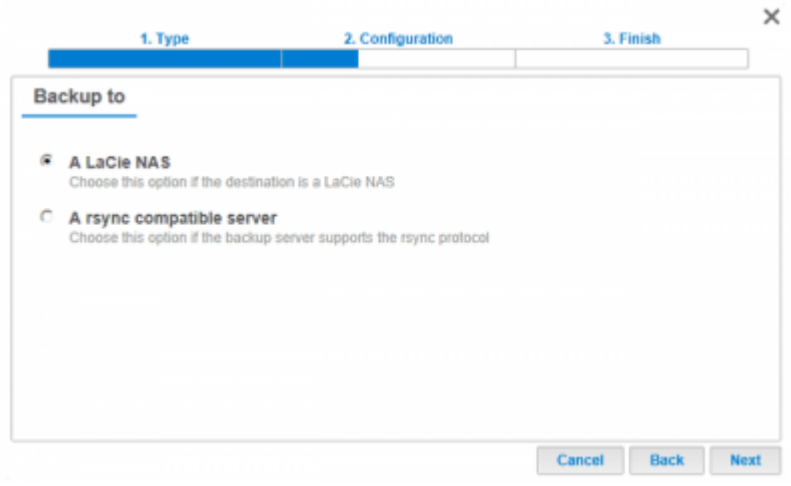
3. Select **Remote Backup** and click **Next**.


1. Type
2. Configuration
3. Finish
Backup & Restore Wizard
This wizard will help you to configure a backup job or a restore job to or from a LaCie server. To begin, please choose one of the options below:
Local Backup
Backup data stored on your LaCie server to an external disk or another folder.
Remote Backup
Backup data stored on your LaCie server to another server.
Restore
Restore your data to your LaCie server.
Cancel
Next

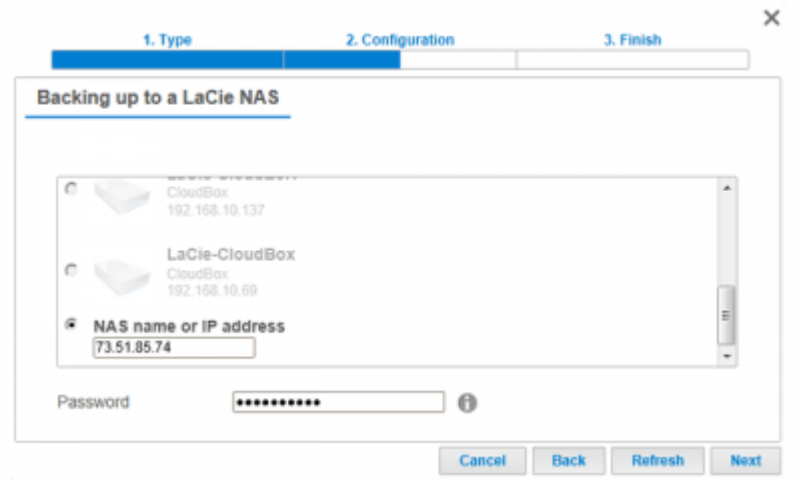
4. Select the share(s) you want to back up. Please note that shares are also called folders.



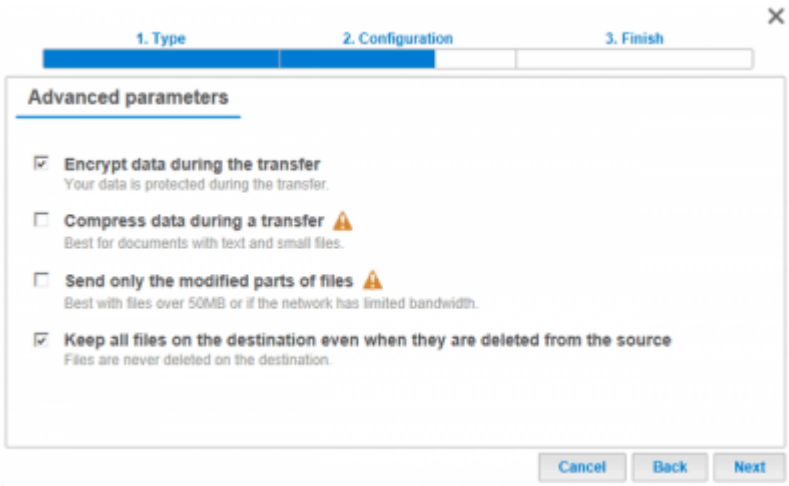
5. Select **A LaCie NAS** to back up another LaCie network storage device. The steps that follow do not cover backups to third-party network storage devices that are compatible with sync. If you are backing up to an rsync compatible server, please follow the directions provided by the Dashboard.



6. Click **Next**.
7. To send the backup to the offsite Destination NAS, choose **NAS name or IP address** then enter the public IP address. If you do not know the public address for the Destination NAS, please refer to the offsite network router's documentation or contact the internet service provider. Select **Next** to continue.

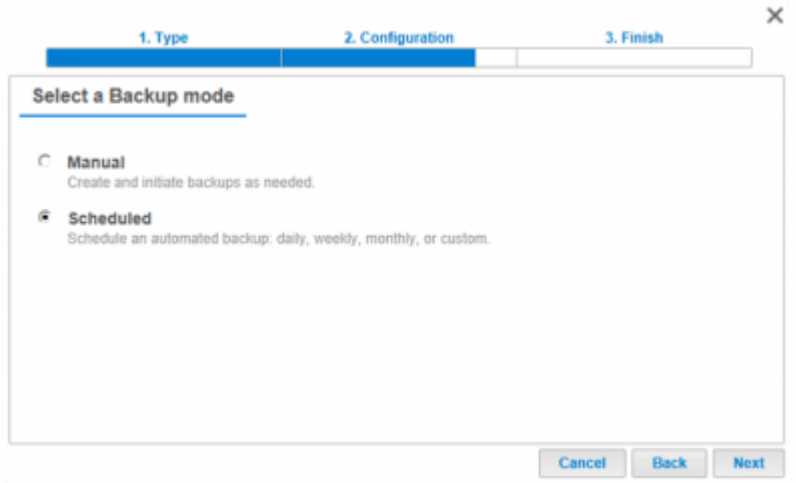


8. The Backup & Restore Wizard will search for the Destination NAS. If the Destination NAS cannot be found, please make certain that:
   - It is powered on and out of sleep mode (see Eco Management).
   - NetBackup Server has been enabled (see NetBackup Share).
   - The proper IP address has been entered. You must use the public IP address rather than the IP address generated for the network.
9. The Advanced Parameters window lists four options for your backup (Please note that you do not have to select one or more of the Advanced parameters to continue with the backup.):

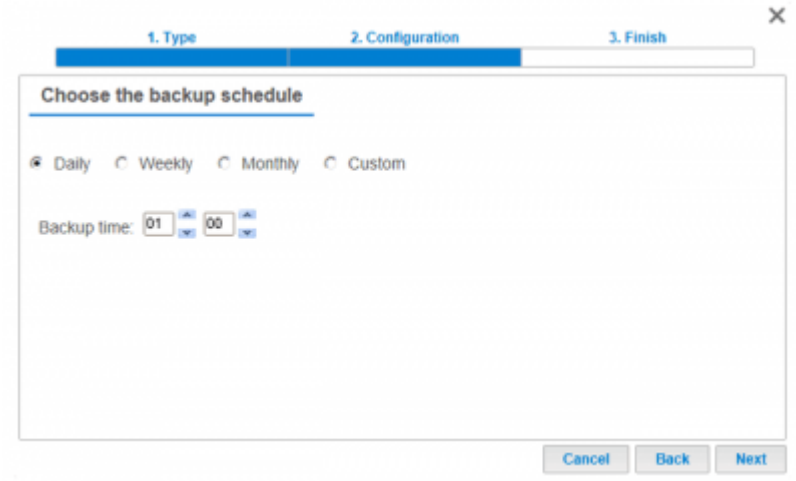

1. Type
2. Configuration
3. Finish
Advanced parameters
Encrypt data during the transfer
Your data is protected during the transfer.
Compress data during a transfer
Best for documents with text and small files.
Send only the modified parts of files
Best with files over 50MB or if the network has limited bandwidth.
Keep all files on the destination even when they are deleted from the source
Files are never deleted on the destination.
Cancel
Back
Next

   - Encryption provides secure data transfers over the network. This is ideal for offsite backups.
   - Compressing data will optimize data transmission rates. This is ideal for low bandwidth networks.
   - Sending modified parts of files is best used with backups that include files larger than 50MB. For example, if you edit a Word document that has already been backed up, only the edits will be copied during the next backup.
   - You can leave data on the Destination NAS even if it is deleted from your LaCie 5big NAS Pro. Please note that this will take up a good amount of storage on your Destination NAS.

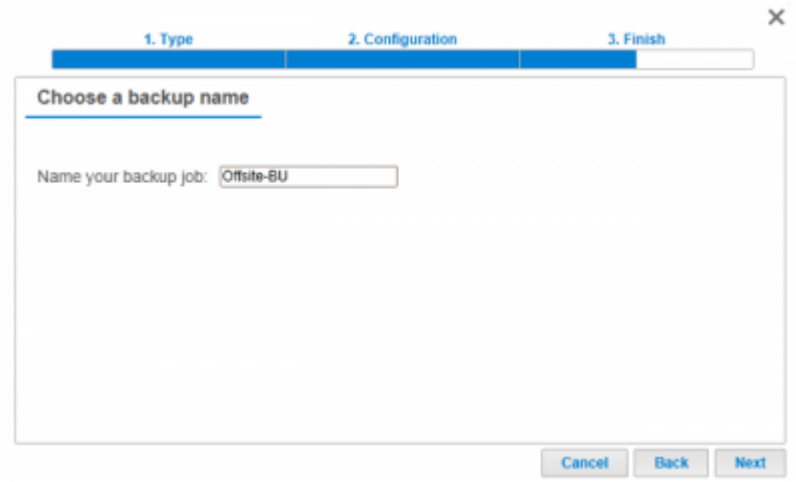
10. Click **Next**.
11. Select the frequency of the backup.



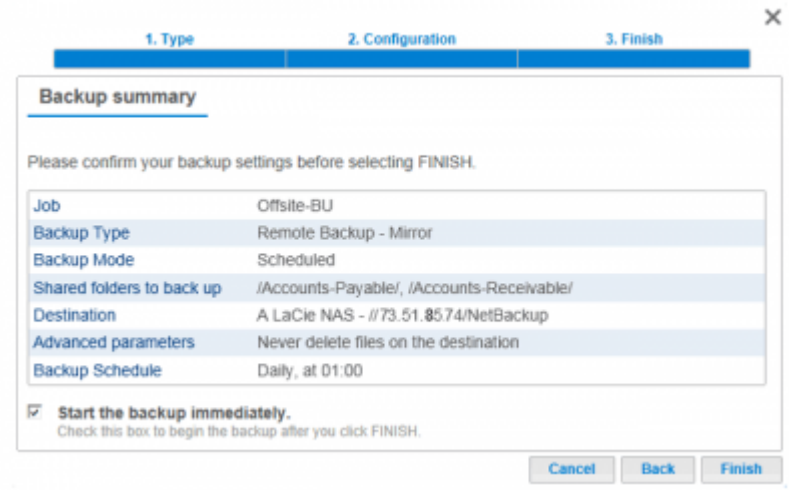
- *Manual*: You must initiate the backup.
- *Scheduled*: The backup will begin at the scheduled time.



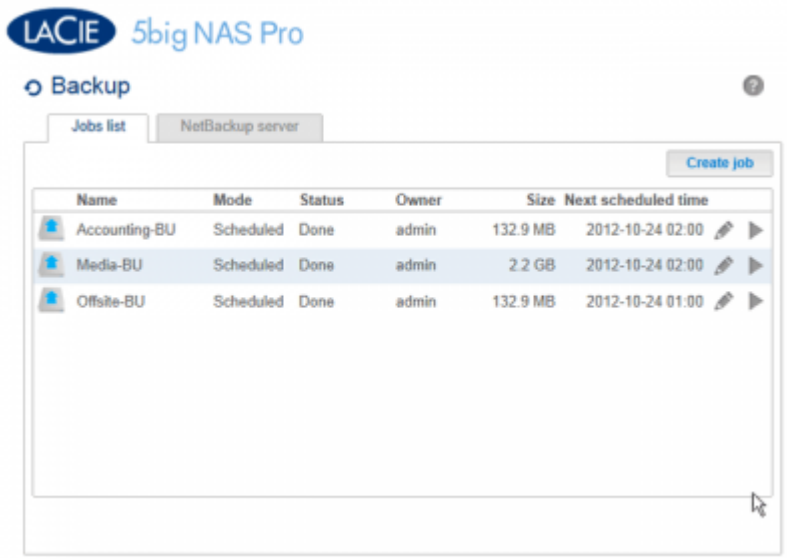
12. Enter a name for the backup job then click **Next**.



13. Review the summary page then click **Finish**.



The Backup Job will appear on the **Dashboard > Backup** page.



Note on Manual Backups: A manual backup must be started by the administrator or user:

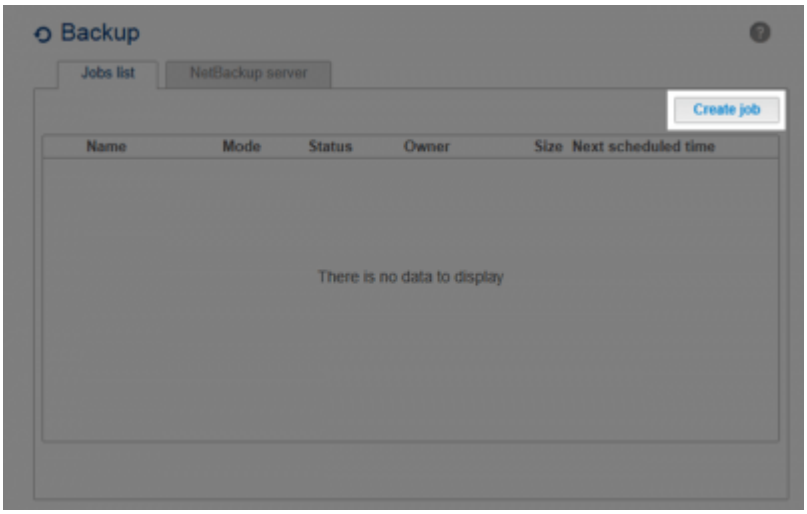
1. Choose the **Backup** page in the Dashboard.
2. Locate the manual backup job you wish to start then click on its grey arrow icon on the far right.

RESTORE A LOCAL BACKUP

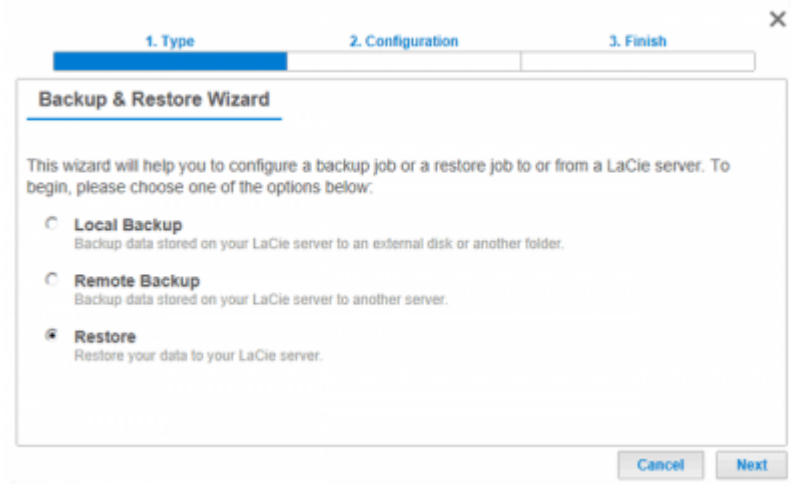
Restore and Remote Backups: Remote Backups cannot be restored using the Backup & Restore Wizard. You can retrieve backup files directly from the backup disk.

Setup

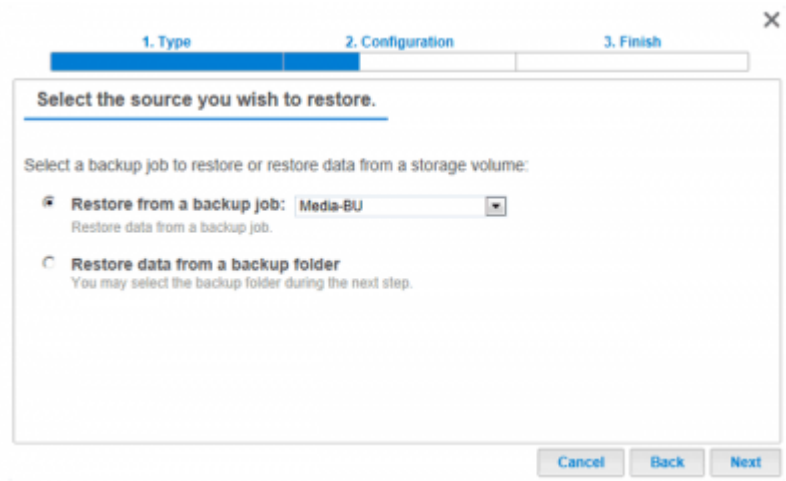
1. Go to **Dashboard > Backup**.
2. Click the **Create job** button.



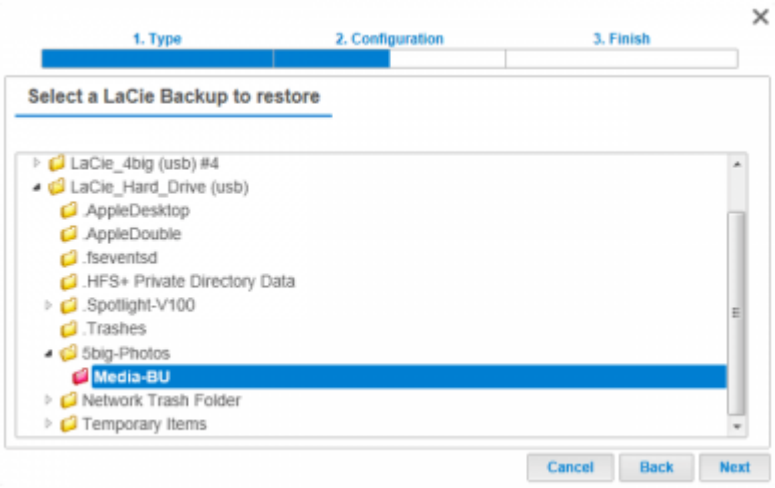
3. Select **Restore**, then click **Next**.


1. Type
2. Configuration
3. Finish
Backup & Restore Wizard
This wizard will help you to configure a backup job or a restore job to or from a LaCie server. To begin, please choose one of the options below:
Local Backup
Backup data stored on your LaCie server to an external disk or another folder.
Remote Backup
Backup data stored on your LaCie server to another server.
Restore
Restore your data to your LaCie server.
Cancel
Next

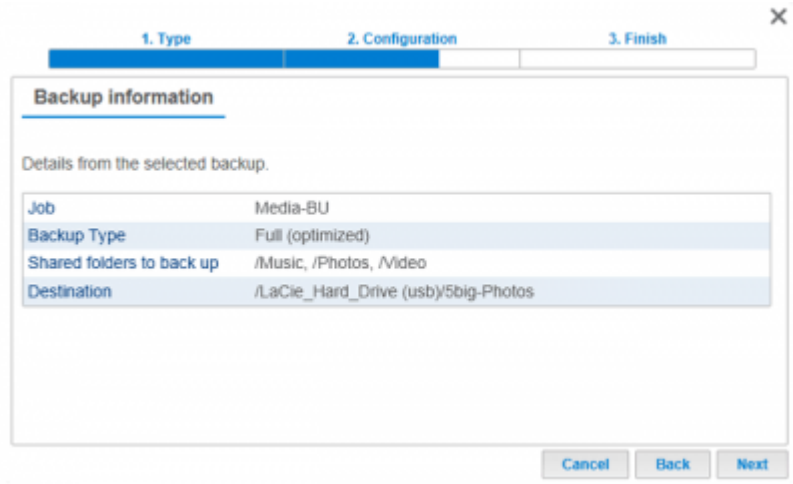
4. Select a restore type, either from an existing backup job, or from a backup folder. Click **Next**.


1. Type
2. Configuration
3. Finish
Select the source you wish to restore.
Select a backup job to restore or restore data from a storage volume:
Restore from a backup job:
Media-BU
Restore data from a backup job.
Restore data from a backup folder
You may select the backup folder during the next step.
Cancel
Back
Next

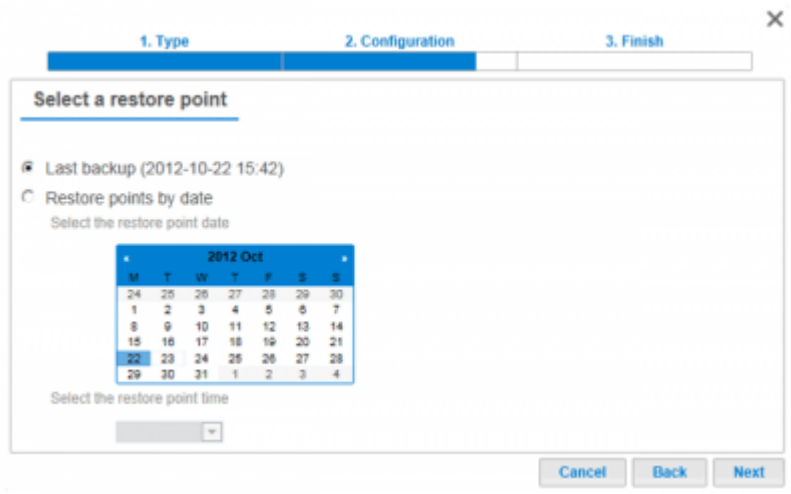
- Backup job: select the backup job from the pulldown menu then click **Next**.
- Backup folder: browse for the source folder with your backup. Valid backups have a red folder icon. Choose the backup directory, then click **Next**.



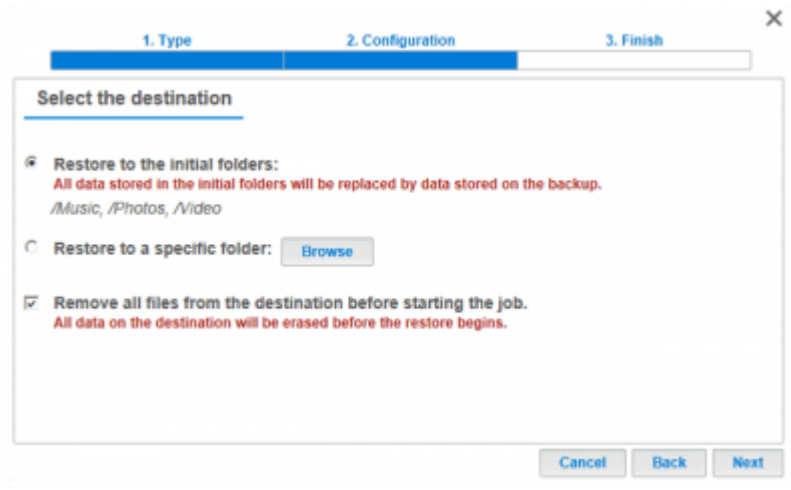
5. Review the summary of the backup then select **Next**.



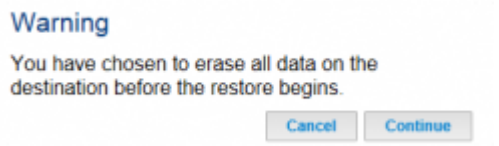
6. Select the last backup or choose an earlier *restore point*. To simplify, a restore point is the date for a backup. You can select an earlier restore point from the calendar and the time from the drop-down menu. Click **Next**.



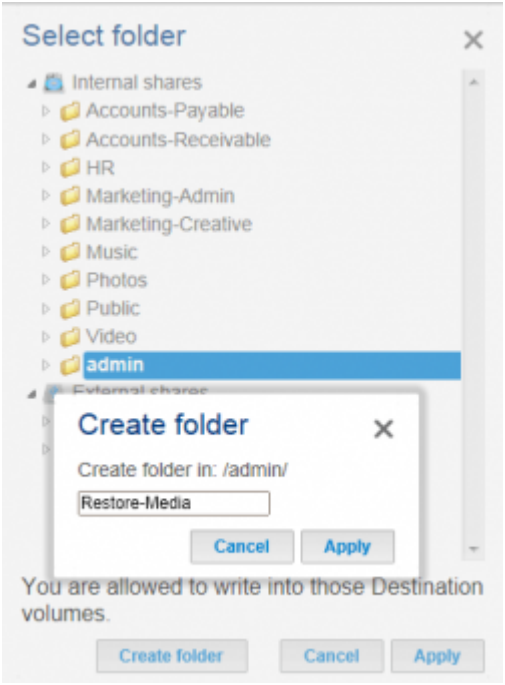
7. Choose where to restore the backup.


1. Type
2. Configuration
3. Finish
Select the destination
Restore to the initial folders:
All data stored in the initial folders will be replaced by data stored on the backup.
/Music, /Photos, /Video
Restore to a specific folder:
Browse
Remove all files from the destination before starting the job.
All data on the destination will be erased before the restore begins.
Cancel
Back
Next

- Restore to the initial location of the data, which will save over the source folder. This gives priority to the backup and will replace existing data with all the data from the backup. **All changes since the date of the backup will be lost**.

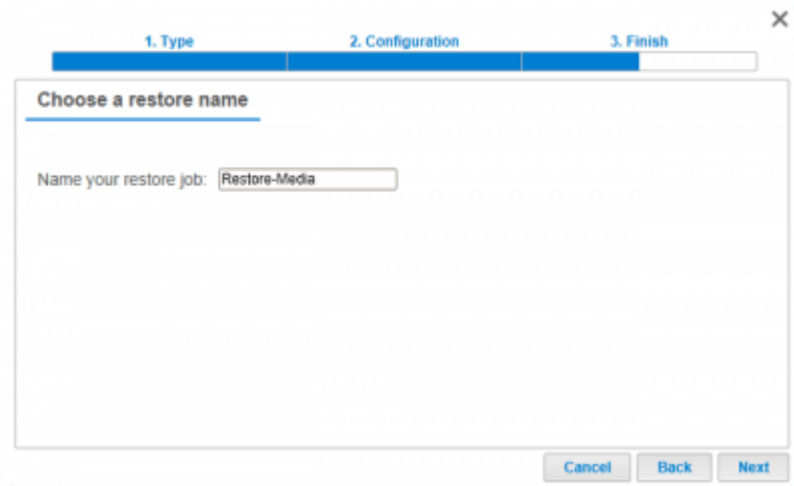


- If you want to restore the backup to a specific folder, click this option to **Browse** for the destination. You will have the option to create a folder in the new location. Click **Apply**.

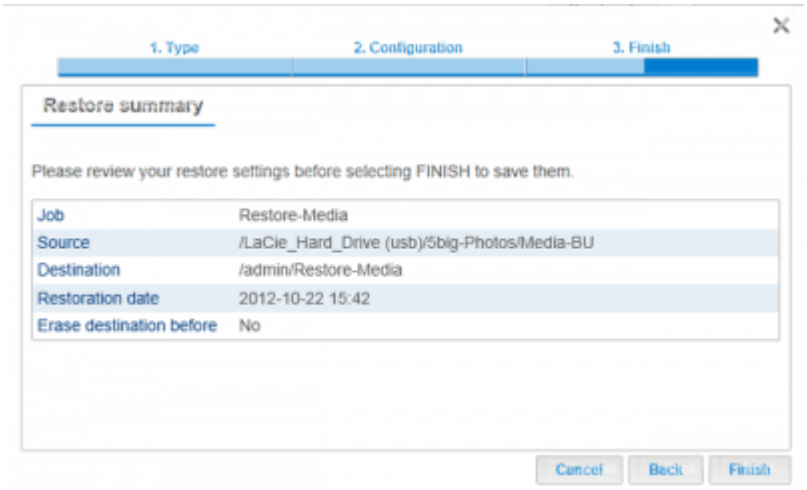


- To free disk space, you can choose to clear the source before the job starts. By checking the box in this step, all data will be erased in the source directory. Before continuing to the next step, a prompt will ask you to acknowledge that all data will be erased in the source before the restore begins.

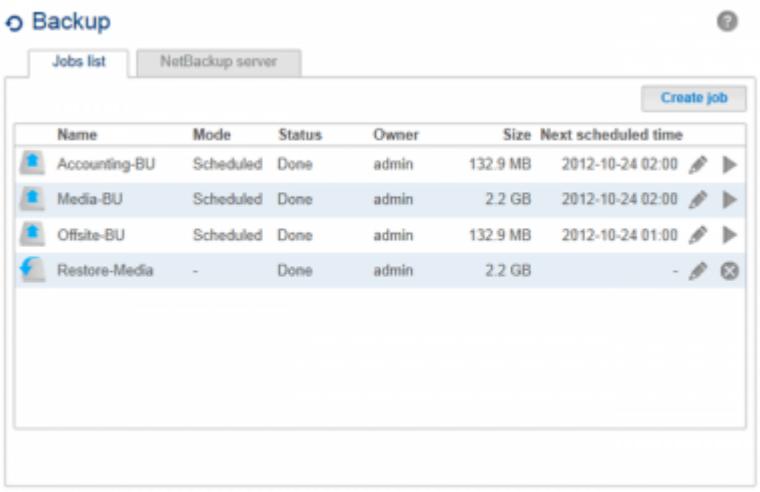
8. Name the restore job, then click **Next**.



9. Review the summary for the restore job then click **Finish** to add the job.



10. The Restore Job has been added to the list.



MODIFY EXISTING JOBS

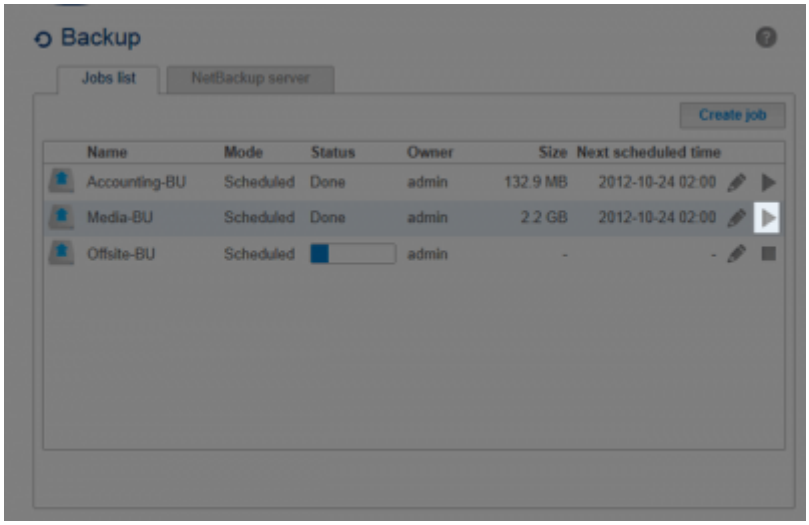
On the Dashboard Backup page, click the configuration icon (pencil) on the far-right column. You can get detailed information on a job or choose delete/enable/disable.

If you disable a scheduled job, it will not run until it is enabled again.

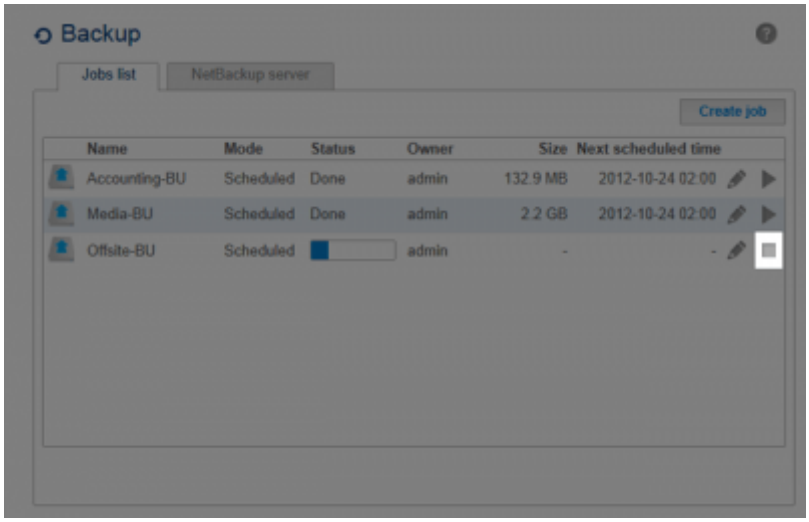
STARTING/STOPPING JOBS

Start and stop icons appear on the far left of the Backup Jobs table:

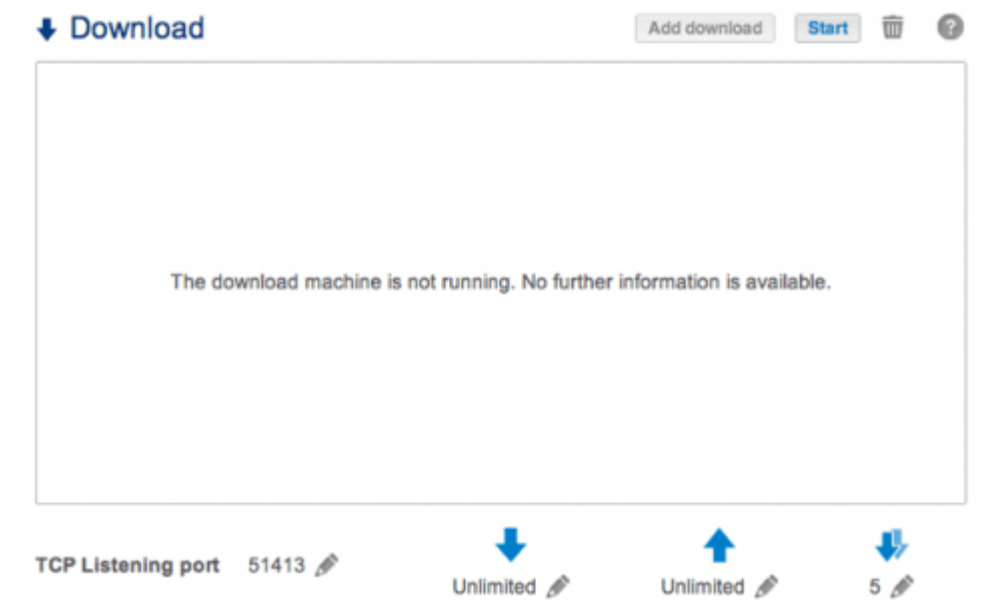
- Start a job: Click on the triangular play icon.



- Stop a job that is in progress: Click on the square stop icon.



DOWNLOAD

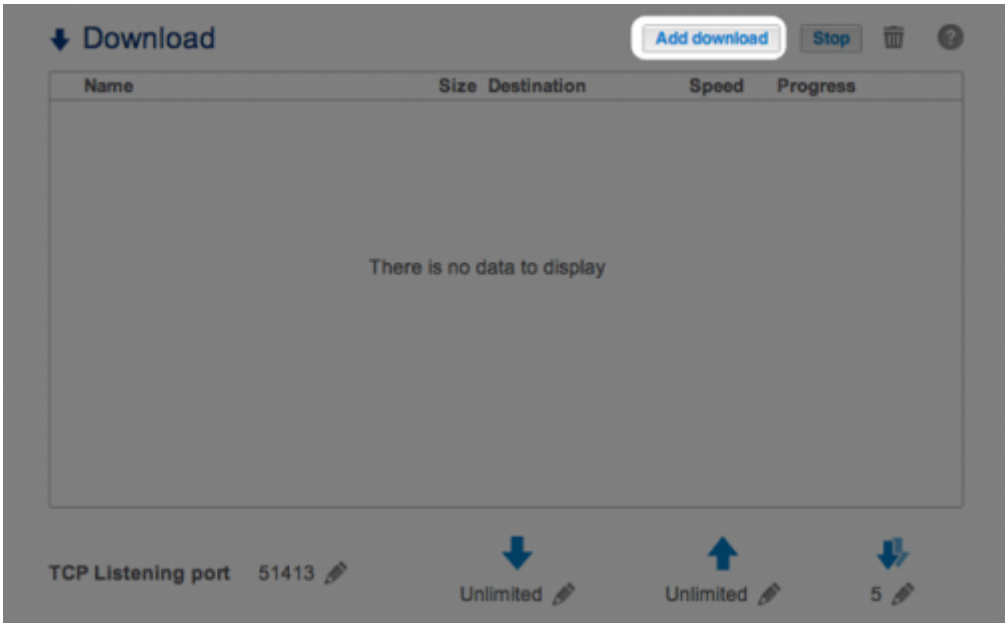


The LaCie NAS Dashboard features a torrent server that will allow you to download torrent files. For more information on torrents, see:

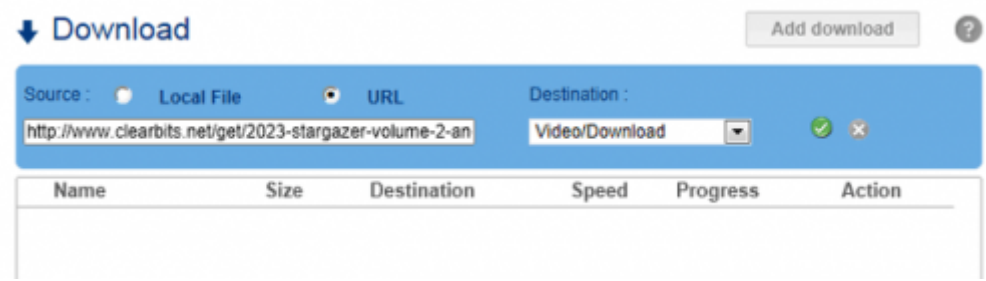
http://en.wikipedia.org/wiki/BitTorrent_protocol

CREATE A DOWNLOAD

1. Click the **Start Download Machine** button on the lower left.
2. To initiate a download, click the **Add Download** button.

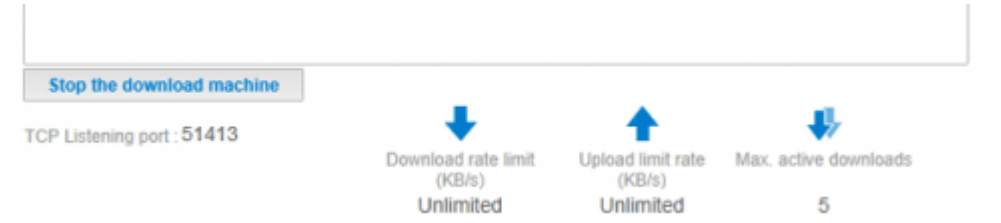


3. Choose whether the torrent source is a file or a URL, then navigate to the source.



4. Choose the destination share for the download then click the green check mark.
5. The file will begin downloading. Please note that it can sometimes take a few minutes to begin. You can pause, resume, or delete a download in progress using the buttons in the **Action** column.

DOWNLOAD PAGE SETTINGS



Below the list of downloads are several settings.

- **TCP Listening port:** Click the number to choose a router port through which the torrent service will operate.
- **Download rate limit:** Click the number to type a maximum download speed.
- **Upload limit rate:** Click the number to type a maximum upload speed.
- **Max. active downloads:** Click the number to limit the number of torrents that can download/upload simultaneously. Type zero for no limit.

Technical note: Because the torrent client service uses bandwidth and system resources, multiple simultaneous downloads can impact your LaCie NAS's performance. Additionally, even after a download has completed, it may continue to use system resources if it is uploading.

DRIVE INFORMATION

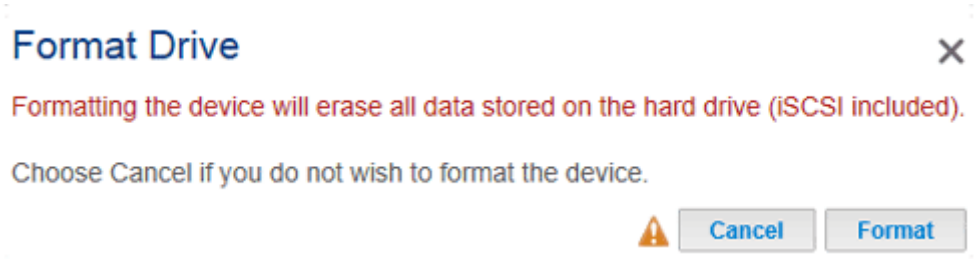
LACIE 5big NAS Pro
Drive Information
Drive size 5 TB
Formatted size 5 TB
Format
Capacity Used Available Used storage
Network drive 5 TB 1 TB 3.9 TB 20%
iSCSI Drive 0 B 0 B 0 B 0%
1TB (Terabyte) = 1000GB. 1GB = 1,000,000,000 bytes. Total accessible capacity varies depending upon operating

This page shows you information about disk usage and will allow you to reformat your disk(s).

When you click the top **Format** button, ALL data on the disk(s) (including an iSCSIShare) will be erased and the disk(s) will be formatted. Data on any hard drive connected to the expansion ports will not be affected.

To reformat:

1. Click the **Format** button.
2. In the window that opens, confirm by clicking the **Format** button.

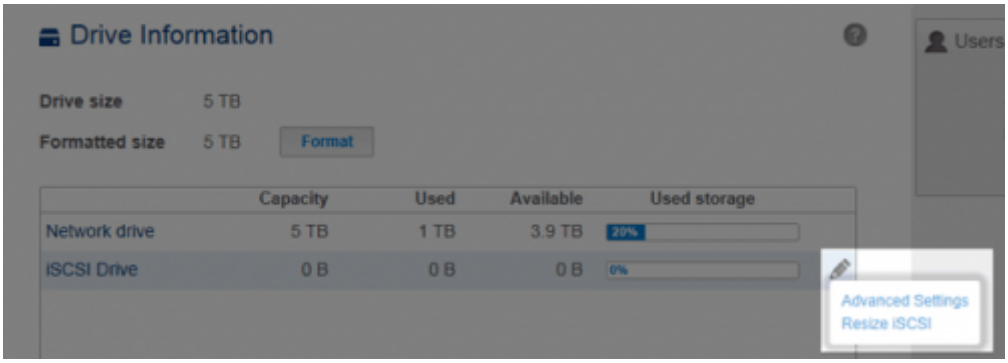

Format Drive
Formatting the device will erase all data stored on the hard drive (iSCSI included).
Choose Cancel if you do not wish to format the device.
Cancel
Format

CONFIGURE ISCSI

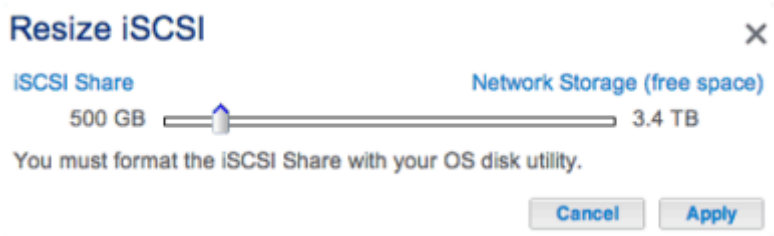
You can configure your LaCie 5big NAS Pro share as an iSCSI target client, which allows you to mount a network share as a local volume. You can then format this volume in a non-network file system such as NTFS, HFS+, or FAT32.

Allocate a portion of the LaCie 5big NAS Pro's storage to **iSCSIShare**. Once you do this, the *iSCSI Drive* will be created automatically. To change the storage allocated to iSCSI Drive:

1. Click the configuration icon (pencil) in the iSCSIShare row and then select **Resize iSCSI**.



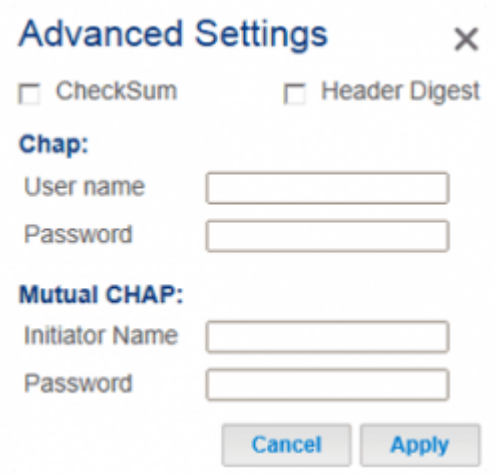
2. Drag the slider to change the amount of space allocated to the iSCSI Drive. After you click the slider, press the right and left arrow keys on your keyboard to fine tune.



3. Click the **Apply** button, then confirm in the popup window.
4. You will need to format the share using your operating system's disk management utility (Disk Utility for Mac and Disk Management for Windows).
5. Next, you need to install and configure an iSCSI client initiator from Microsoft (Windows users) or other third party vendor. Refer to the vendor's documentation for details.

The Dashboard offers several advanced parameters. Click the configuration icon and select **Advanced Settings**. In this window you can modify advanced parameters related to the iSCSI Drive.

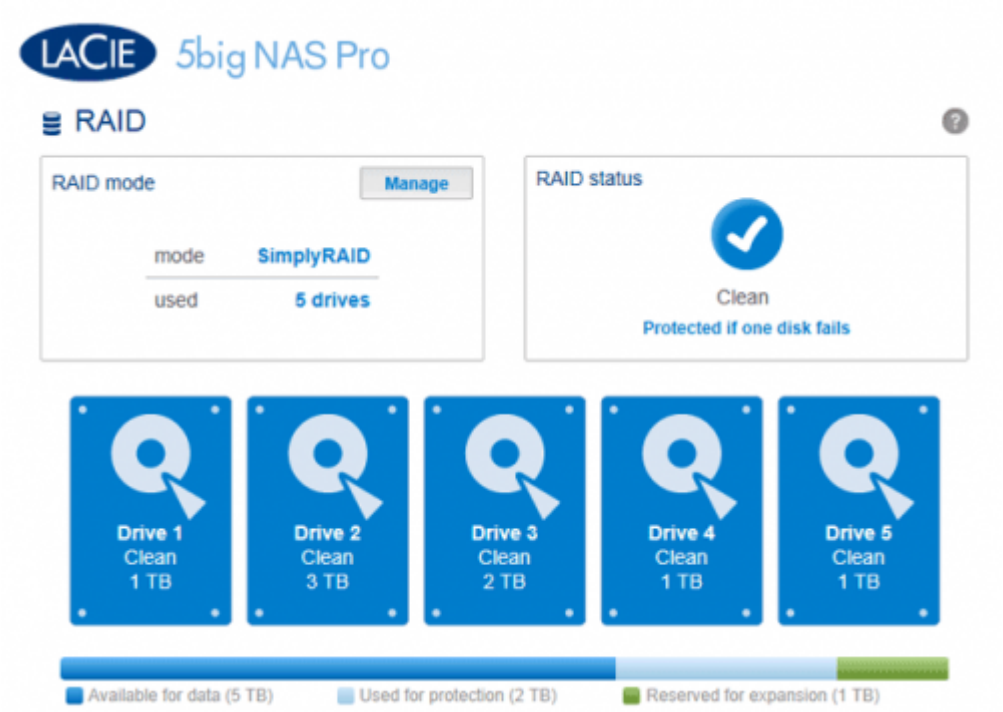
Important Info: If you are using a Microsoft initiator, CHAP password should be greater than or equal to 12 bytes and less than or equal to 16 bytes.



After modifying the above values, click **APPLY**.

Caution: Formatting will erase all the data on your drive (but will not remove users or settings). Make sure to back up all your data onto another volume before proceeding. LaCie cannot be held responsible for the loss of data occurring during formatting.

MANAGE RAID



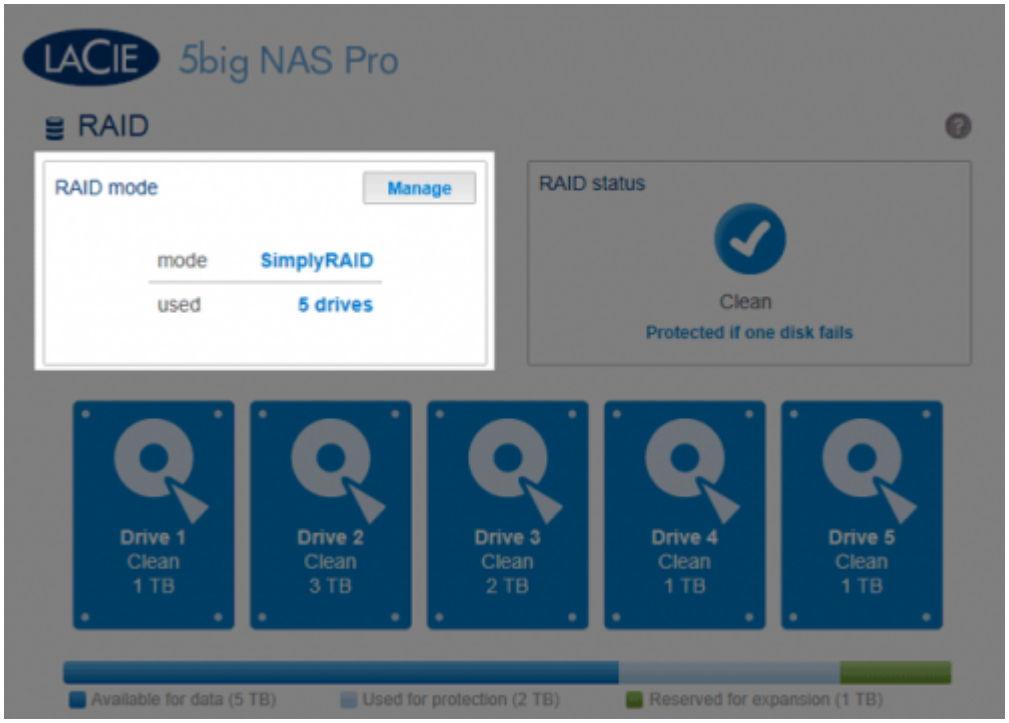
Your 5big NAS Pro optimizes disk performance and capacity using LaCie SimplyRAID. No matter the capacity of your disk(s), LaCie SimplyRAID will prepare the 5big NAS Pro storage for immediate use as well as future expansion. LaCie SimplyRAID accommodates your storage needs, allowing you to:

- Install disks of varying capacities (1TB, 2TB, and 3TB)
- Replace smaller capacity disks with larger capacity disks
- Upgrade storage capacity without deleting or moving data
- Protect data without compromising performance

While LaCie recommends the benefits of SimplyRAID, the Dashboard RAID page also gives you the option to manually configure RAID.

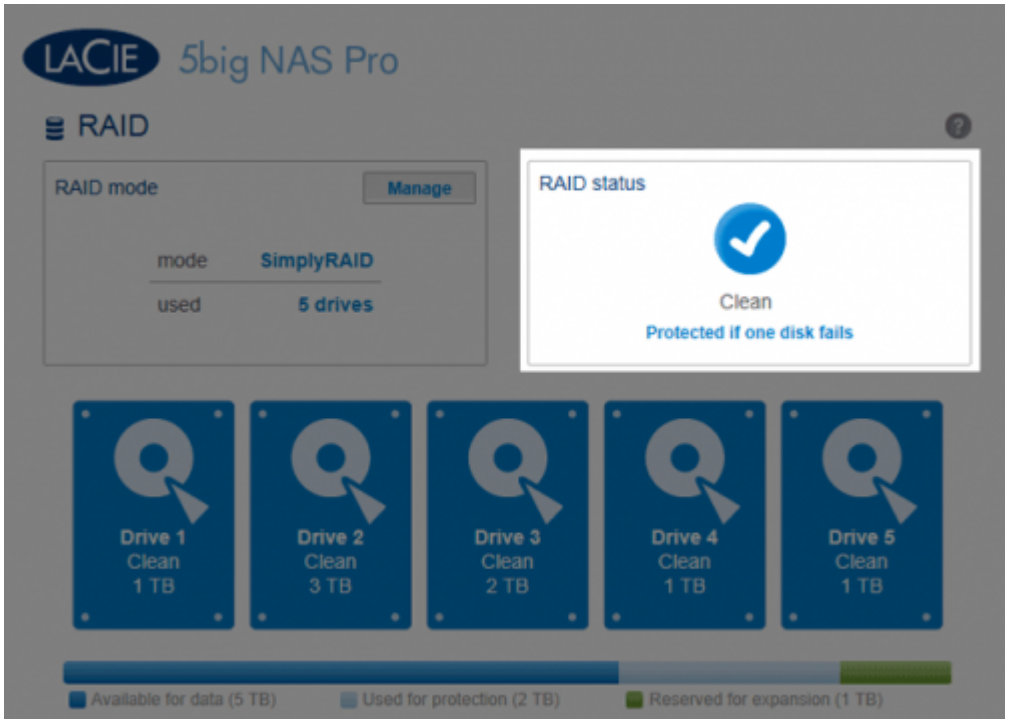
REVIEW YOUR RAID SETTINGS

RAID mode



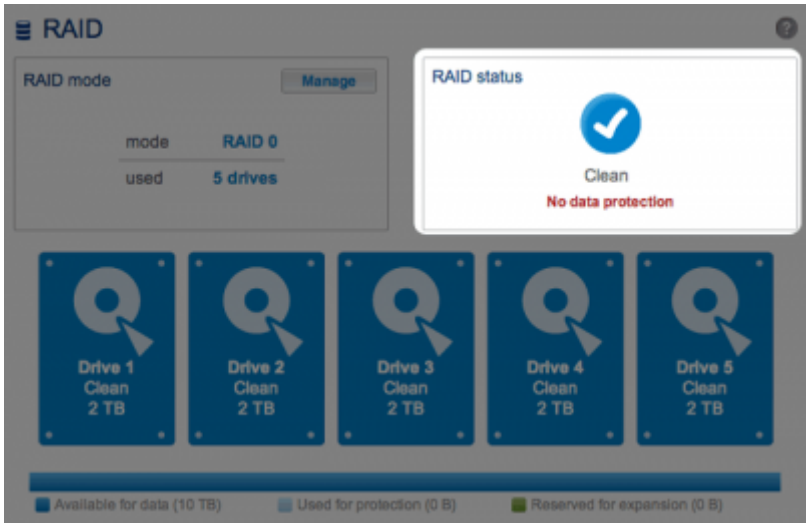
This box shows you the current RAID scheme for your NAS, as well as the number of disks involved in the scheme.

RAID Status

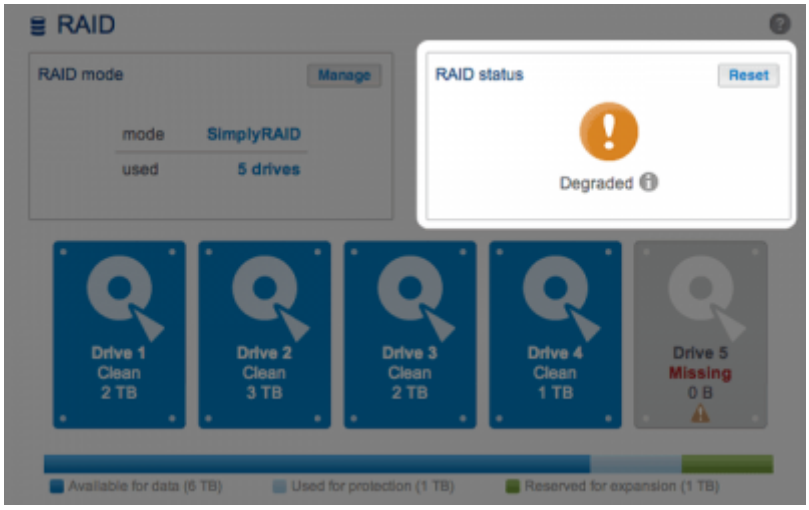


This box lets you know whether the array is healthy, degraded, or synchronizing.

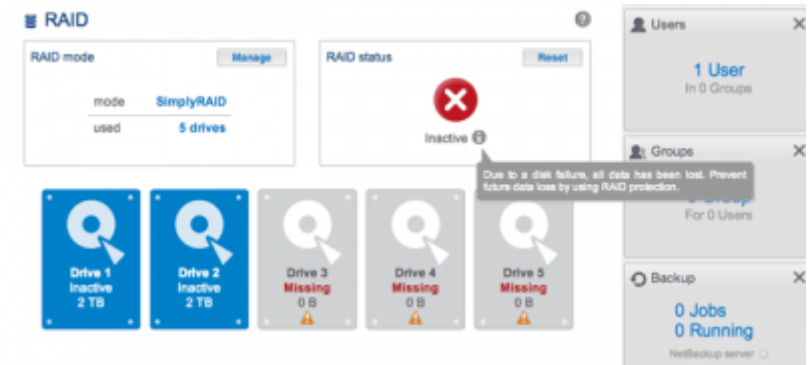
- RAID 0 (no data protection).



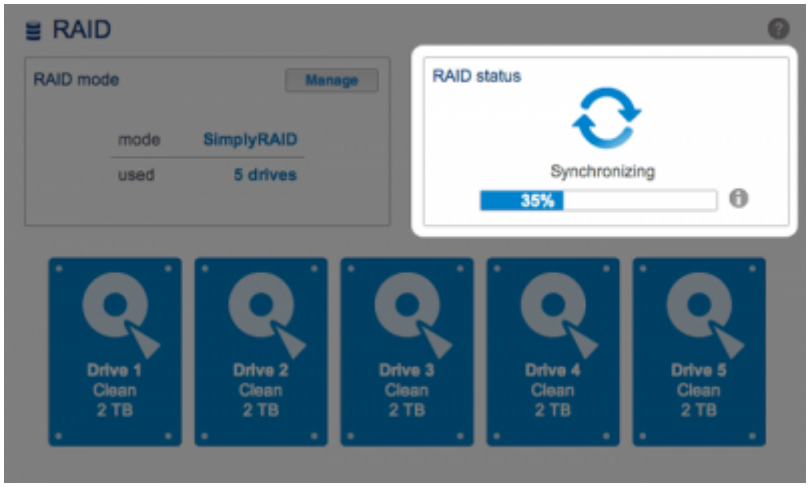
- RAID degraded due to a missing disk.



- RAID failure due to missing or bad disks.

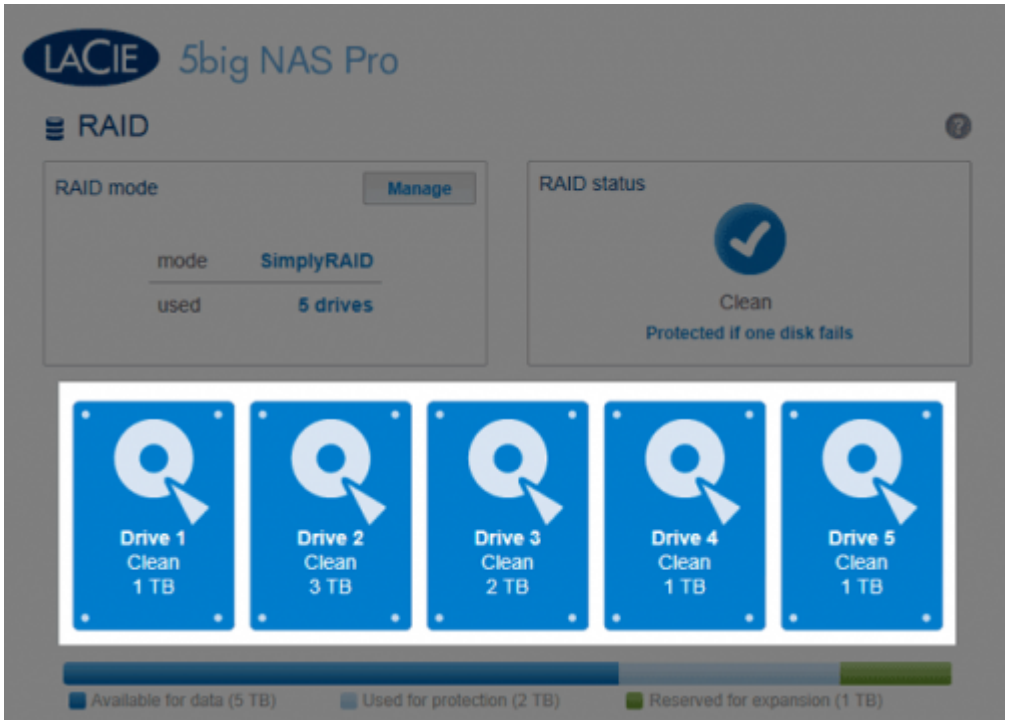


- RAID synchronizing following a disk replacement.

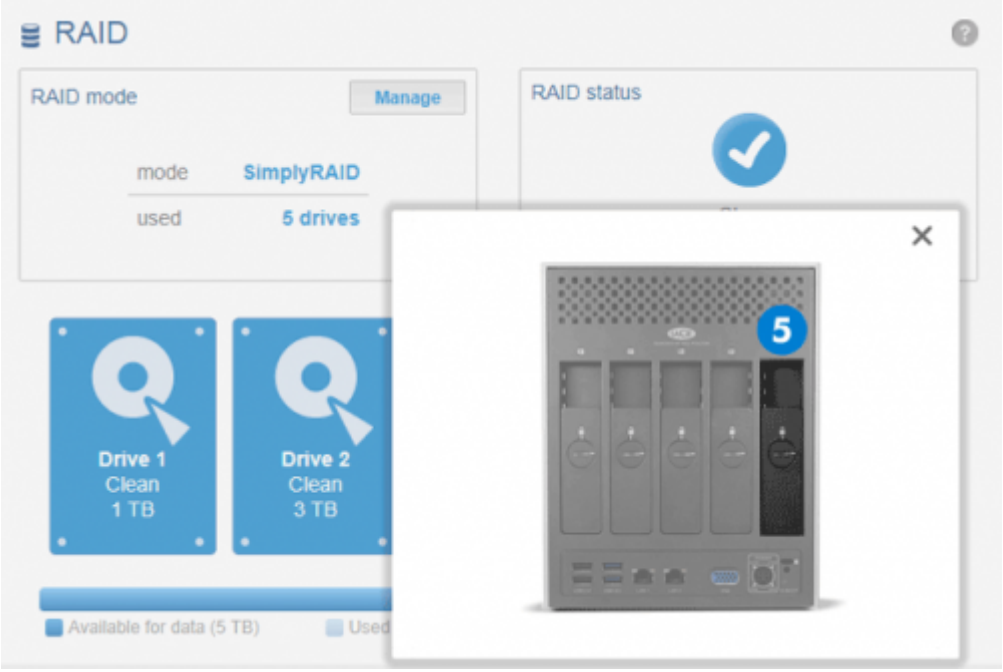


See RAID Status: Expand, Replace, and Reset for instructions on expanding your array and replacing disks.

Drive Map

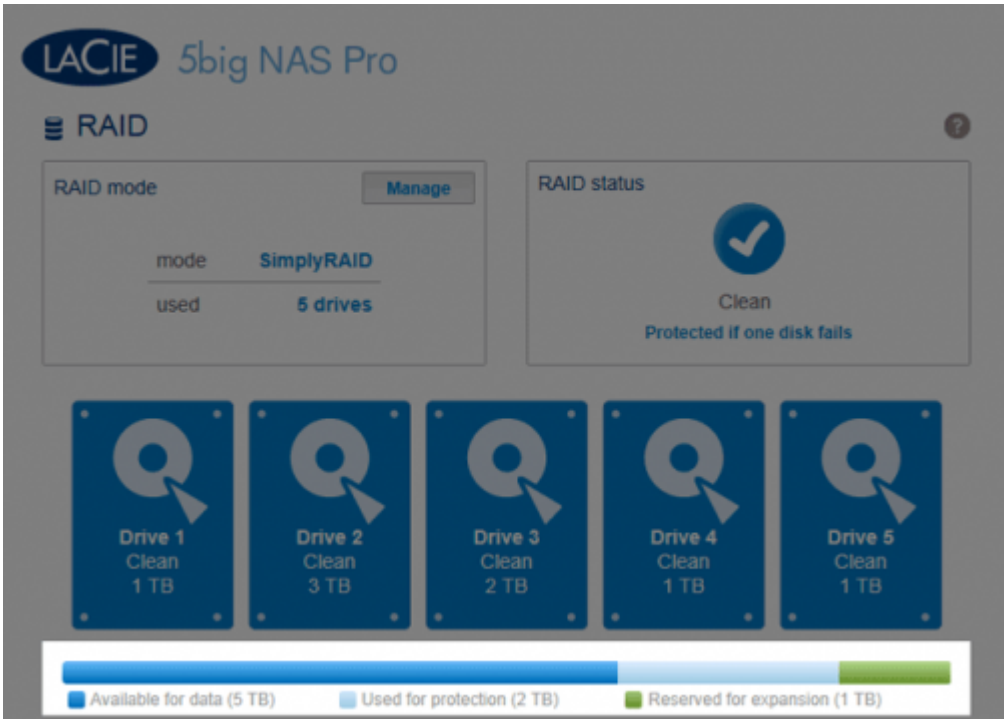


Click the illustration of the disk to see which slot in the NAS the disk occupies.



Click on the Drive to see its physical location

Storage Distribution



The multicolor bar below the disks provides a fast reference on how SimplyRAID distributes the 5big NAS Pro storage.

- Dark blue: Storage capacity for your data.
- Light blue: Protection in case one or two disks fail. The light blue indicator will vary in size depending upon single or double disk protection.

- Green: Disk capacity that spans beyond the level of RAID assigned by SimplyRAID. This space is reserved for expansion should you add new or larger capacity disks.

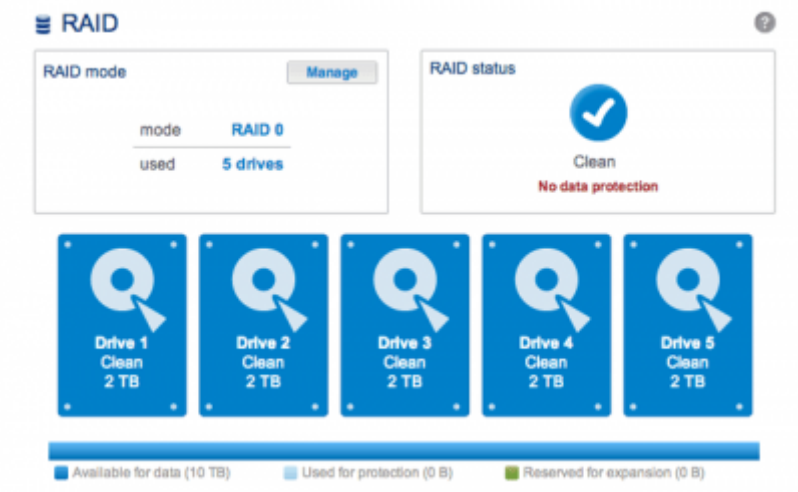
Storage capacity and distribution

Factors that determine available data capacity include:

- The amount of disks in the enclosure
- The storage capacity of each disk (see note below on mixed capacities)
- RAID Mode
- Single disk or double disk security

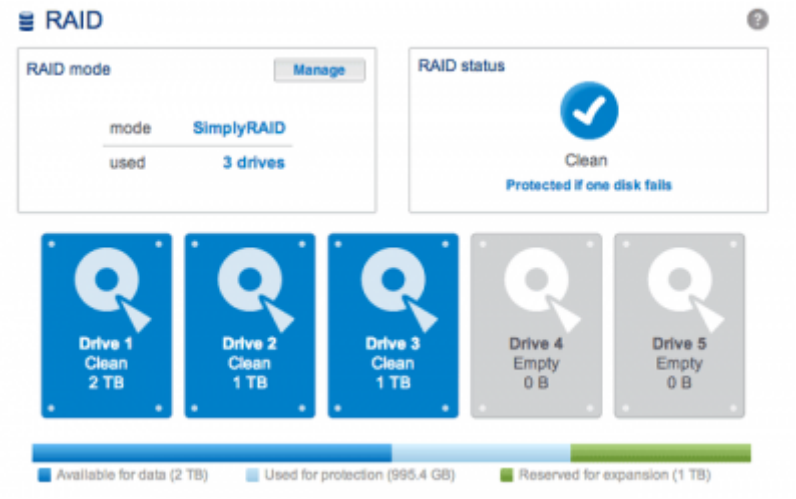
Examples:

- **Manual RAID 0 configuration with five disks.** The only color is dark blue since RAID 0 has no protection and all the disks are of equal capacity (2TB).



- **SimplyRAID configuration with five disks.** All colors are represented since the RAID array uses single disk security and the disks are of mixed capacities.

- **SimplyRAID configuration with three disks.** All colors are represented since the RAID array uses single disk security and the disks are of mixed capacities.



RAID SETUP WIZARD

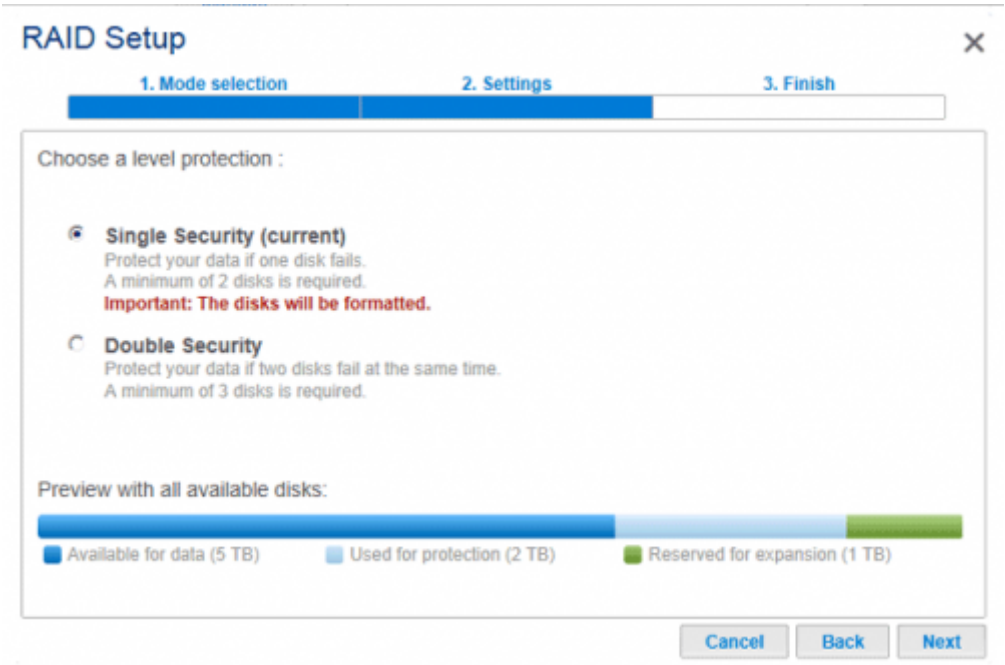
Follow the directions to run the RAID Setup Wizard. You may select:

- **SimplyRAID, LaCie's smart RAID configuration agent.** RAID configurations will use equal disk capacties among the pool of drives to protect data. Rather then lose disk capacity overhead in mixed disk environments, SimplyRAID will preserve the extra space to use when new disks are added to the enclosure. Unlike standard RAID models, you can easily expand the array without losing data. For example, two 1TB disks will create a RAID 1 array without any disk capacity overhead. However, one 1TB disk paired with one 2TB disk can only create 1TB of protection since data cannot surpass the storage capacity of the smallest disk. SimplyRAID will calculate the overhead and prepare it for future disk expansion.
- **Manual.** Configure your array using standard RAID models based upon the amount of disks in your enclosure.

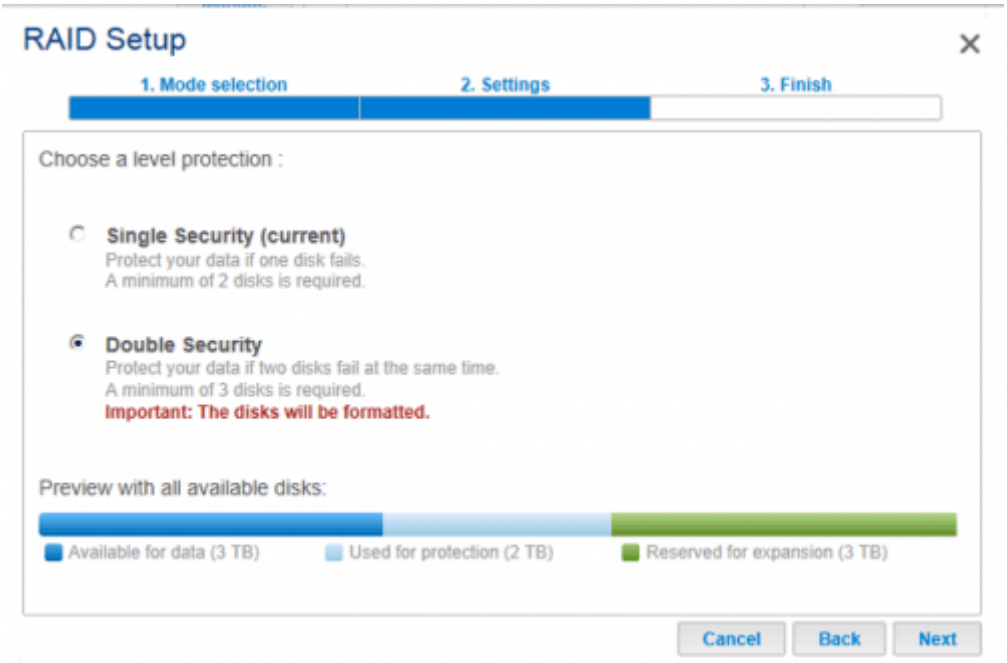
SimplyRAID

1. Click the **MANAGE** button to launch the RAID Setup Wizard.
2. Select **SimplyRAID** then click **Next**.

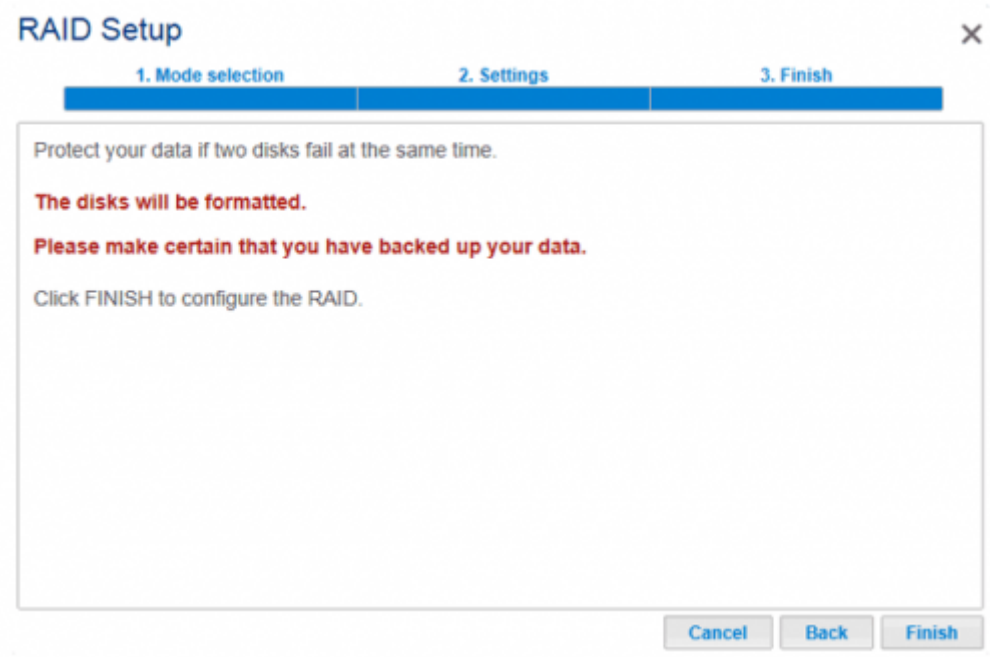
3. Choose the level of security then click **Next**. Please note that all data on the disks will be deleted to create the initial RAID configuration. Future updates to storage capacity will not delete data.
   - Single security will protect data against the loss of a single disk (minimum of two disks required).


RAID Setup
1. Mode selection
2. Settings
3. Finish
Choose a level protection :
Single Security (current)
Protect your data if one disk fails.
A minimum of 2 disks is required.
Important: The disks will be formatted.
Double Security
Protect your data if two disks fail at the same time.
A minimum of 3 disks is required.
Preview with all available disks:
Available for data (5 TB)
Used for protection (2 TB)
Reserved for expansion (1 TB)
Cancel
Back
Next

   - Double security will protect data against the loss of a two disk (minimum of three disks required).

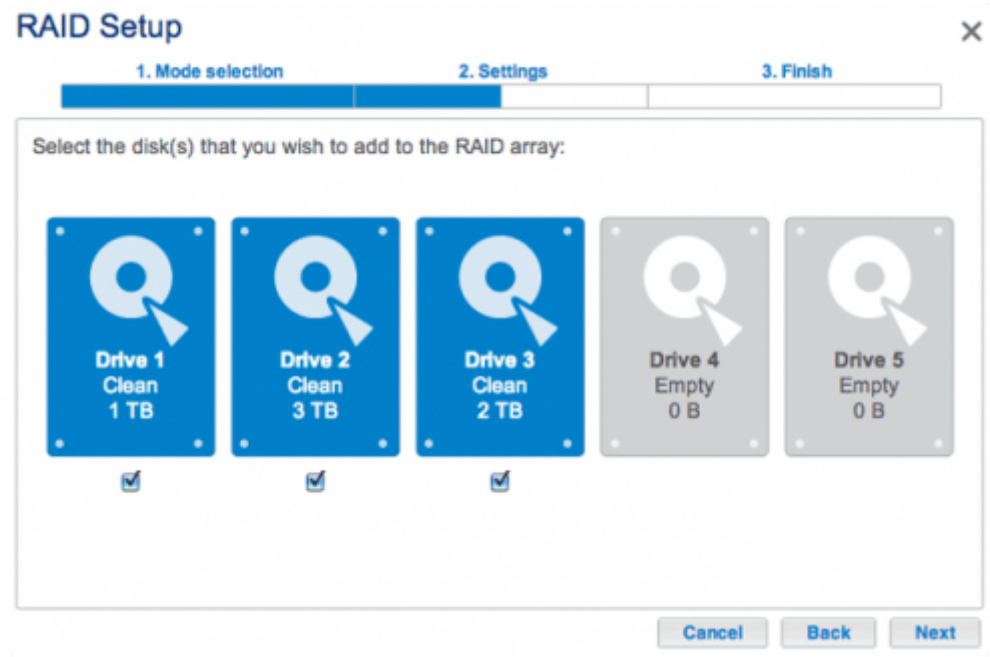

RAID Setup
1. Mode selection
2. Settings
3. Finish
Choose a level protection :
Single Security (current)
Protect your data if one disk fails.
A minimum of 2 disks is required.
Double Security
Protect your data if two disks fail at the same time.
A minimum of 3 disks is required.
Important: The disks will be formatted.
Preview with all available disks:
Available for data (3 TB)
Used for protection (2 TB)
Reserved for expansion (3 TB)
Cancel
Back
Next

4. Click **FINISH** to configure the RAID.

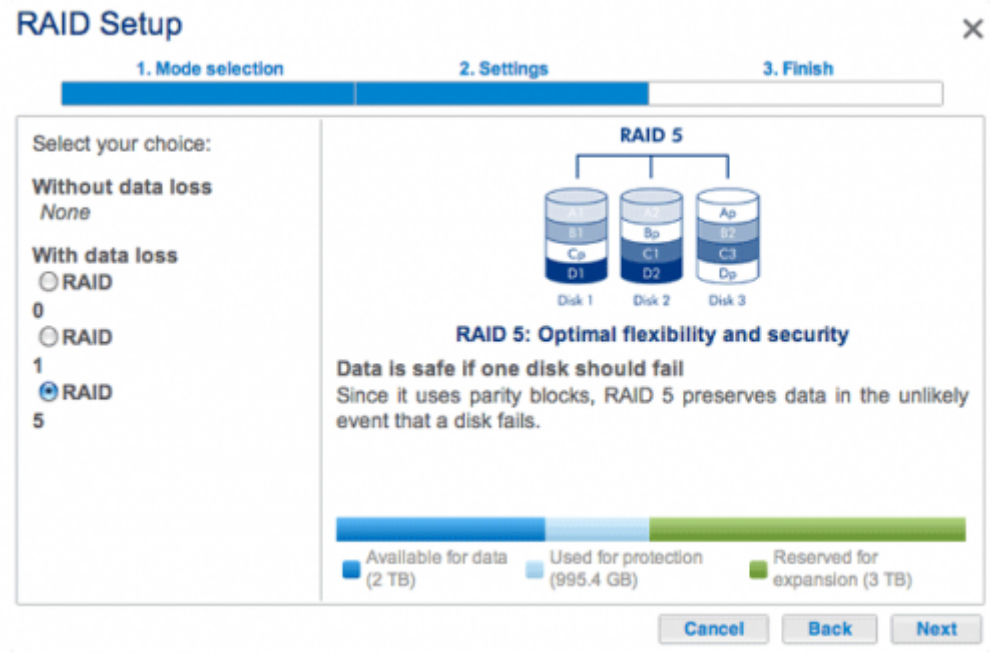

RAID Setup
1. Mode selection
2. Settings
3. Finish
Protect your data if two disks fail at the same time.
The disks will be formatted.
Please make certain that you have backed up your data.
Click FINISH to configure the RAID.
Cancel
Back
Finish

Standard (Manual)

1. Click the **MANAGE** button to launch the RAID Setup Wizard.
2. Select the disks for your array by checking their respective boxes. Click **NEXT**.



3. Choose a RAID level. Clicking the RAID mode's button will give you an explanation of its strengths and weaknesses.



   If you are reconfiguring the RAID, the new mode will erase files on existing shares but your Dashboard configuration will not be affected.
   Click **NEXT**.
4. Review the information then confirm the RAID change by clicking **FINISH**. Click the **FINISH** button once again, then confirm by clicking **YES**.

Rebuilding Times

Rebuilding a protected RAID array takes many hours, depending on the capacity of the disks and your NAS' available resources (concurrent tasks such as backups or torrent downloads will slow rebuilding). Changing to an unprotected RAID mode (e.g. RAID 0) takes less than a minute. Note that data is accessible during rebuilding.

ABOUT RAID MODES

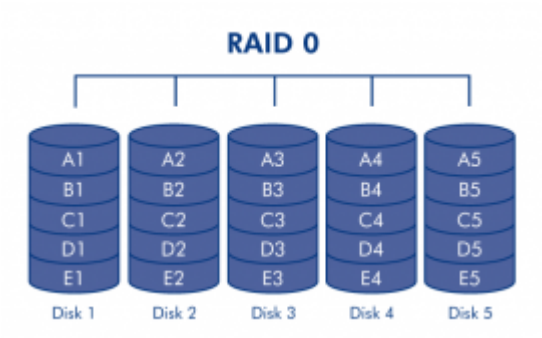
Refer to the table below for an overview of the different RAID modes, and see the descriptions for details. Note that this information is summarized in the **RAID Setup Wizard** on the Dashboard.

RAID Mode	Data Capacity	Protection	Performance	Factory Default
RAID 0	100%	★☆☆☆☆	★★★★★	–
RAID 1	50%	★★★★½	★★☆☆☆	–
RAID 5	75% (approximately)	★★★★½	★★★★☆	–
RAID 6	60% (approximately)	★★★★½	★★★★☆	–
SimplyRAID	Varies	★★★★★	★★★★½	Yes

RAID 0

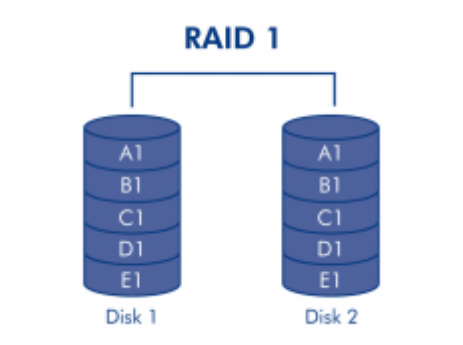
RAID 0 (also called Spanning mode in some LaCie devices), is the fastest RAID mode. In a RAID 0 array, the available capacities of each disk are added together so that one logical volume mounts on the computer. It offers the best performance but no protection in the case that a disk fails.

Caution: In a RAID 0 array, if one physical disk in the array fails, the data of all disks becomes inaccessible because parts of the data have been written to all disks.



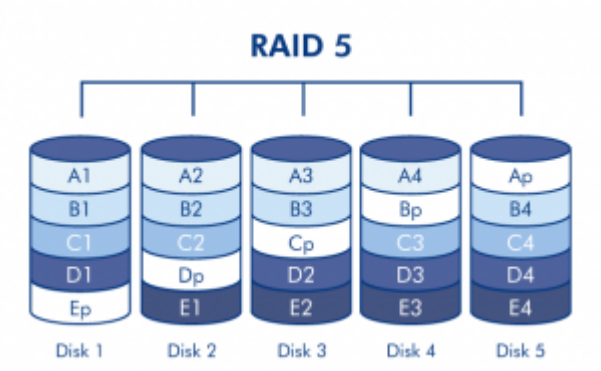
RAID 1

RAID 1 is a secure RAID mode that is available if the 5big NAS Pro has only two disks installed. RAID 1 provides data safety since all data is written to each disk at the same time. In the event of a single disk failure, data remains available on the other disk. Due to the time it takes to write the data twice, performance is slightly reduced. RAID 1 is a good choice when safety is more important than speed. However RAID 1 also reduces the available disk space by 50% due to the need to write each bit of data on each hard drive.



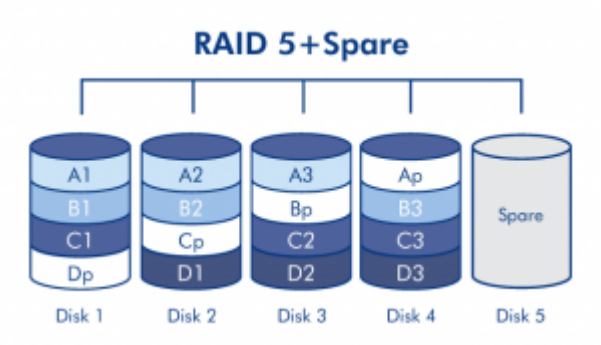
RAID 5

In RAID 5, data is striped across all disks (minimum of three) and a parity block for each data block (P in the illustration below) is written on the same stripe. If one physical disk fails, the data from the failed disk can be rebuilt onto a replacement disk. No data is lost in the case of a single disk failure, but if a second disk fails before data can be rebuilt to a replacement drive, all data in the array will be lost.



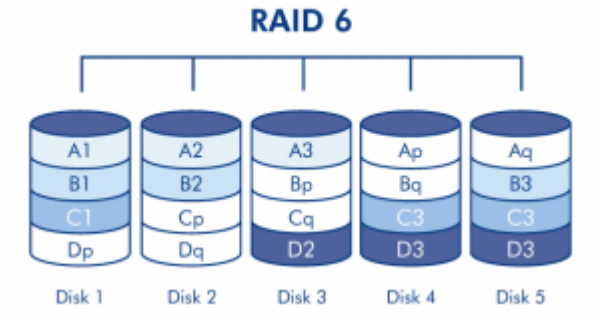
RAID 5+Spare

RAID 5+Spare is a RAID 5 array in which one disk is used as spare to rebuild the system as soon as a disk fails. At least four disks are required. If one physical disk fails, the data remains available because it is read from the parity blocks. Data from a failed disk is rebuilt onto the hot spare disk. When a failed disk is replaced, the replacement becomes the new hot spare. No data is lost in the case of a single disk failure, but if a second disk fails before the system can rebuild data to the hot spare, all data in the array will be lost.



RAID 6

In RAID 6, data is striped across all disks (minimum of four) and a two parity blocks for each data block (p and q in the illustration below) is written on the same stripe. If one physical disk fails, the data from the failed disk can be rebuilt onto a replacement disk. This Raid mode can support up to two disk failures with no data loss. RAID 6 provides for faster rebuilding of data from a failed disk.



RAID STATUS: EXPAND, REPLACE, AND RESET

The RAID Status box will inform you of changes to your array that may require action on your part. Follow the instructions below to:

1. Remove and/or insert a disk
2. Perform one of the following:
   - *Expand* your RAID with a new disk
   - *Replace* a missing or failed disk
   - *Reset* the RAID configuration with the available disks

Important info: If a hard disk that you have purchased from LaCie fails, please contact your LaCie reseller or LaCie Customer Support.

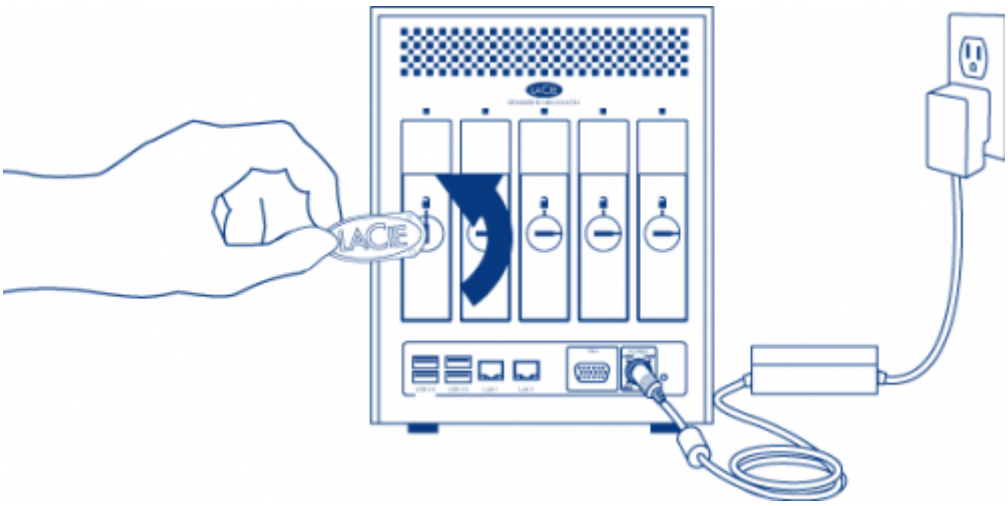
Remove/Insert a Disk

If your array is protected (e.g. SimplyRAID, RAID 1, RAID 5, RAID 6) you can remove a disk while the product is turned on without damaging the array or losing data. This is called “hot-swapping”. However, if you remove a disk from an unprotected array (e.g. RAID 0), you may lose data.

Disk Removal

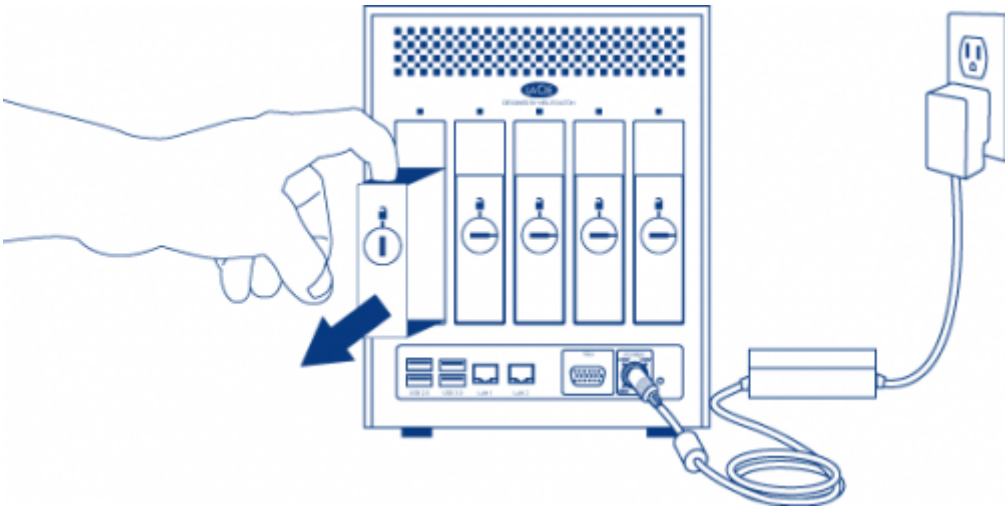
Caution: After continuous use of the NAS, drives may be hot. Use caution when removing.

1. The drive tray may be locked. To unlock it, use the included disk drawer key to turn the lock until the slot is vertical.



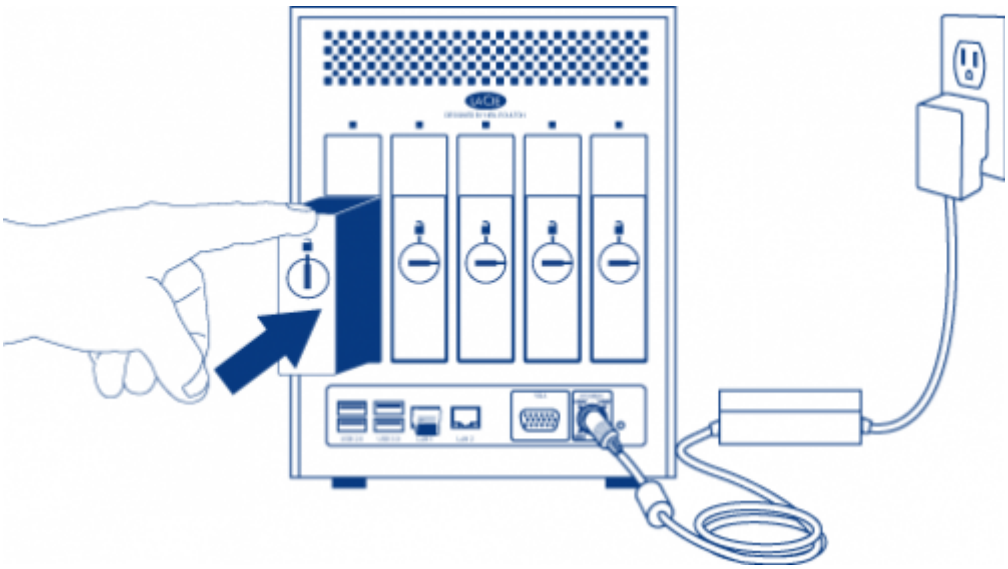
2. Draw out the drive tray by inserting your finger into the space behind the drive tray handle and pulling to disengage the drive.

3. Grasp the drive tray handle and carefully extract the drive.



Disk Insertion

1. Carefully insert the drive tray into an empty drive bay. When the drive tray is most of the way in and you feel resistance, press the drive tray handle firmly until you feel the drive snap into place and the drive tray handle is flush with the back of the NAS.

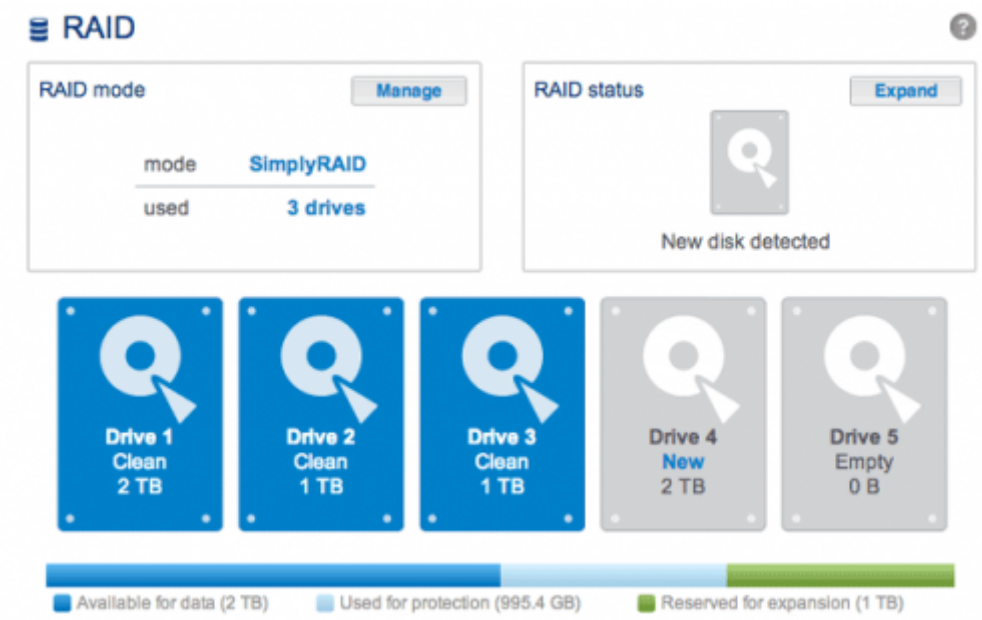


2. Use the disk drawer key to lock the drive.

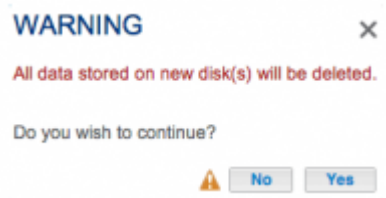
Expand your RAID array (SimplyRAID only)

SimplyRAID allows you to add new or larger capacity drives to your RAID array. Please note that **data stored on the new disk will be deleted**.

1. Remove the disk you wish to replace and/or insert a new hard drive per the instructions above. Please be patient while the LaCie NAS Dashboard gathers the information on the disk.
2. Click on **Expand** in the RAID Status box.



3. A prompt will ask you to confirm that you wish to add the disk to the array.

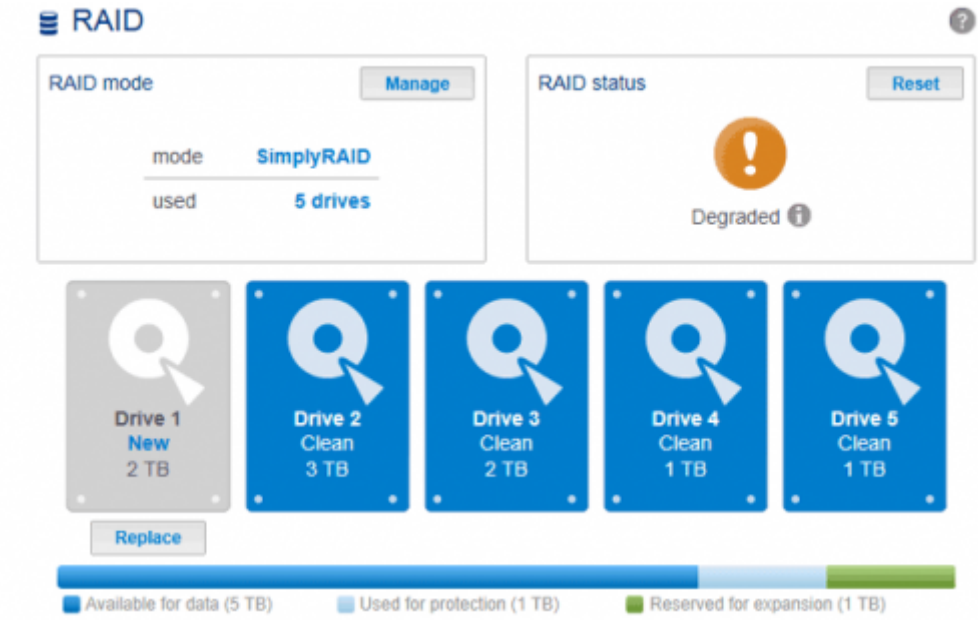


4. You may continue to use the NAS during the RAID synchronization.

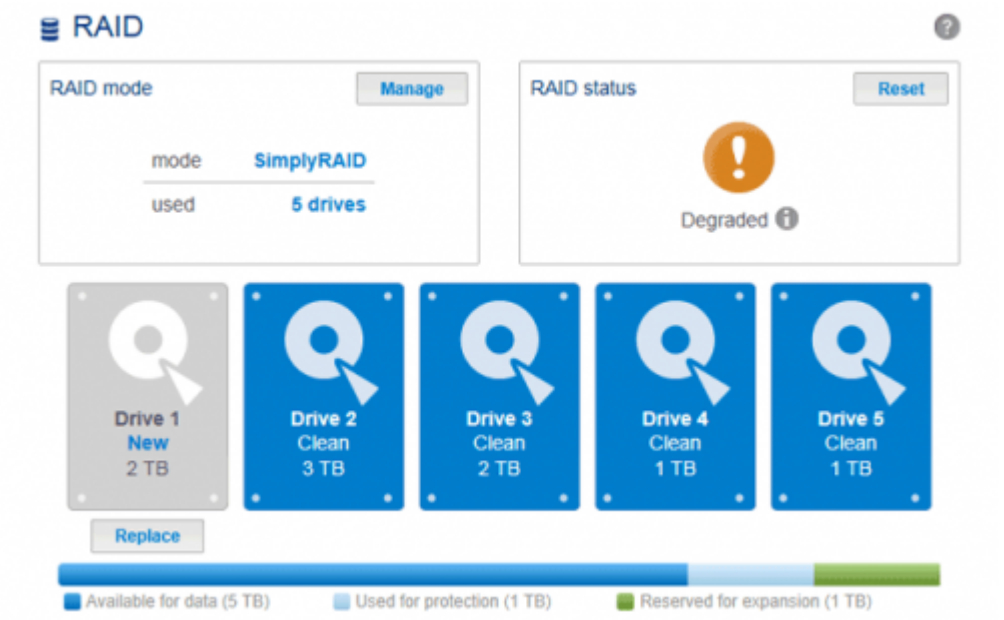
Replace a failed or missing disk

If you have configured your RAID as *Standard* (Manual as opposed to SimplyRAID), the new disk must have equal or greater capacity than the disk it is replacing.

1. Remove the failed disk and insert a new hard drive per the instructions above.
2. Go to **Dashboard > RAID**. The recently inserted disk will be labelled **New**.



3. If the 5big NAS Pro RAID configuration is SimplyRAID, RAID 1, RAID 5, or RAID 6:
   1. Click the **Replace** button below the New Disk. **DO NOT** click on *Reset*.

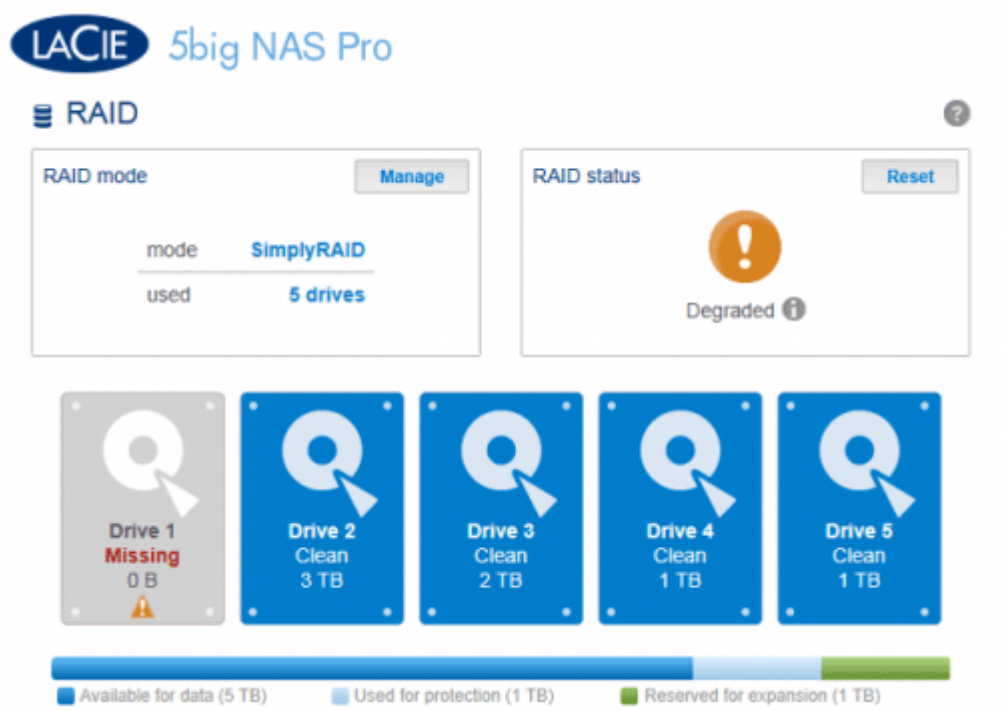


   2. Confirm the addition and complete the RAID Setup Wizard.

WARNING
The disk will be added to the RAID Array. All data contained on the new disk will be lost.
Do you wish to continue?
No
Yes

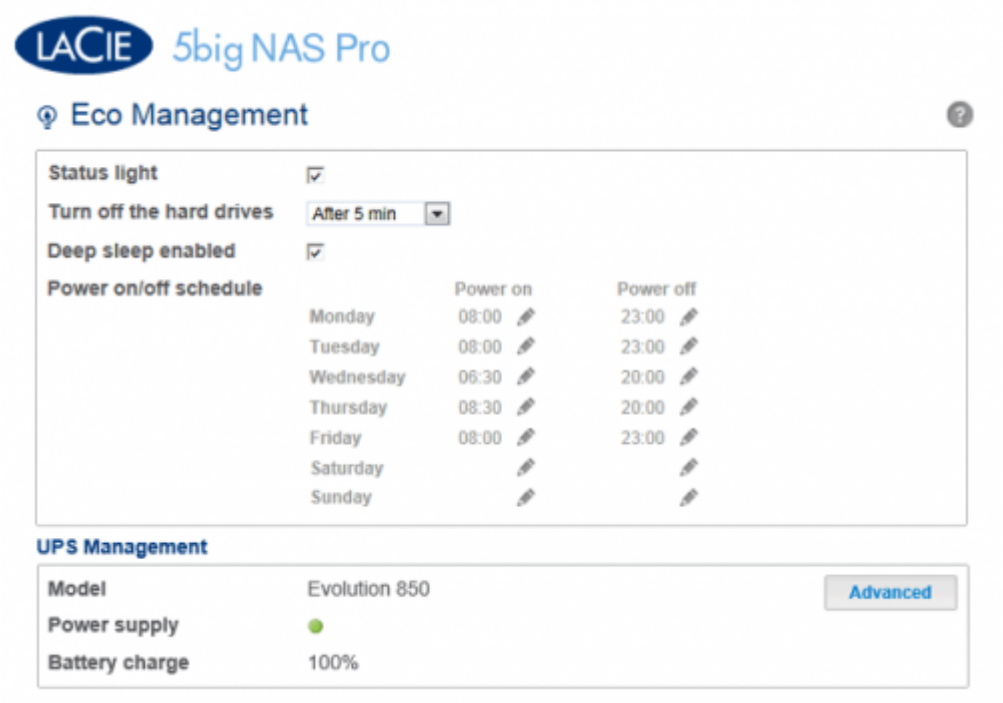
3. You may continue to use the NAS during the RAID synchronization.
4. If the 5big NAS Pro RAID configuration is RAID 0:
   1. Click the **Manage** button and complete the RAID Setup wizard.

Reset the RAID array (SimplyRAID only)

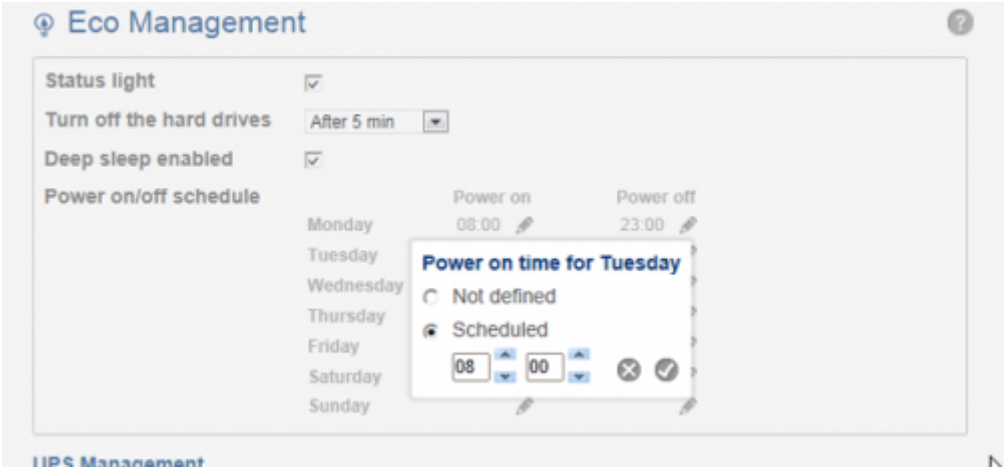


If a hard drive in the array fails and you do not have a replacement disk, you can use the **Reset** button to reconfigure the RAID. The Reset button will optimize the RAID configuration using the remaining disks. LaCie recommends that you back up your files since all data will be deleted while creating the new RAID array.

ECO MANAGEMENT

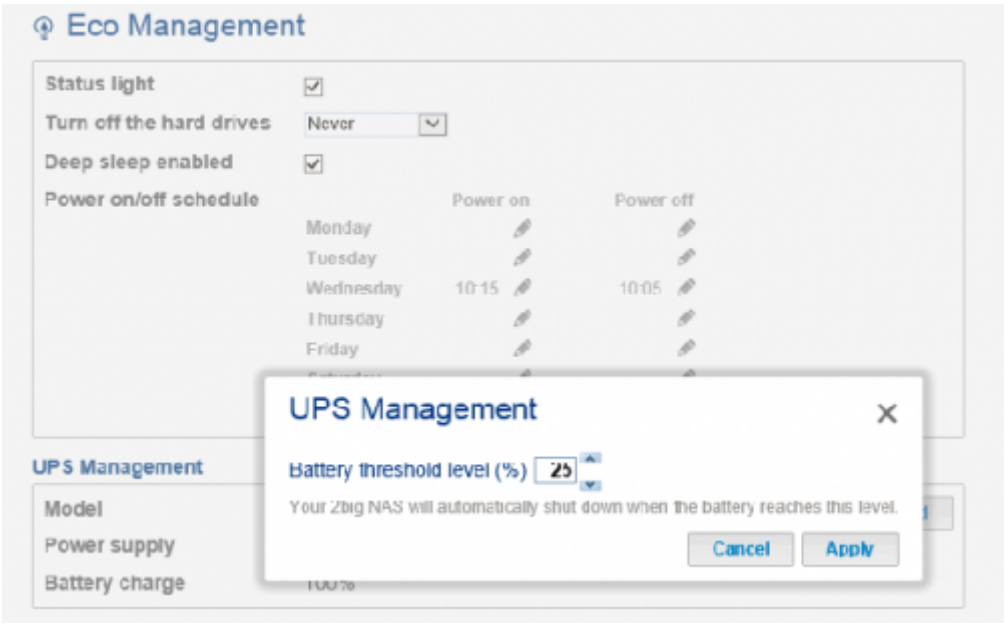


- **Status light:** Uncheck this box to turn off the front blue light. Note that this will not disable warning indicators or rear disk LEDs.
- **Turn off the hard drives (*Eco mode*):** Set the duration of inactivity after which the disks will revert to Eco mode, which spins down the disks and reduces power consumption. The product leaves Eco mode automatically when a request is sent to the drive.
- **Deep sleep enabled:** Check this box to allow your LaCie NAS to enter deep sleep mode. *Deep sleep* means that the drive will enter a very low energy consumption mode.
  - Manual: Once deep sleep is enabled, you can use the **Shutdown Options** button on the Dashboard (upper right power icon) or press and hold the front blue LED button. The front LED will blink, indicating that the device is preparing to enter deep sleep mode. To wake the drive from Deep sleep mode, press the blue LED button or use the Wake on LAN function in LaCie Network Assistant (see Wake on LAN (WOL)).
  - Automatic: Set a schedule for the device to enter and exit deep sleep mode using **Power on/off schedule**.
- **Power on/off schedule:** Set the drive to activate/deactivate deep sleep mode to save energy. LaCie recommends that you select hours of the day in which access to the NAS' data is not required. For example, between 12:00 AM and 5:00 AM.



Important info: When deep sleep mode is activated, all processes, including downloads and backups, will be terminated.

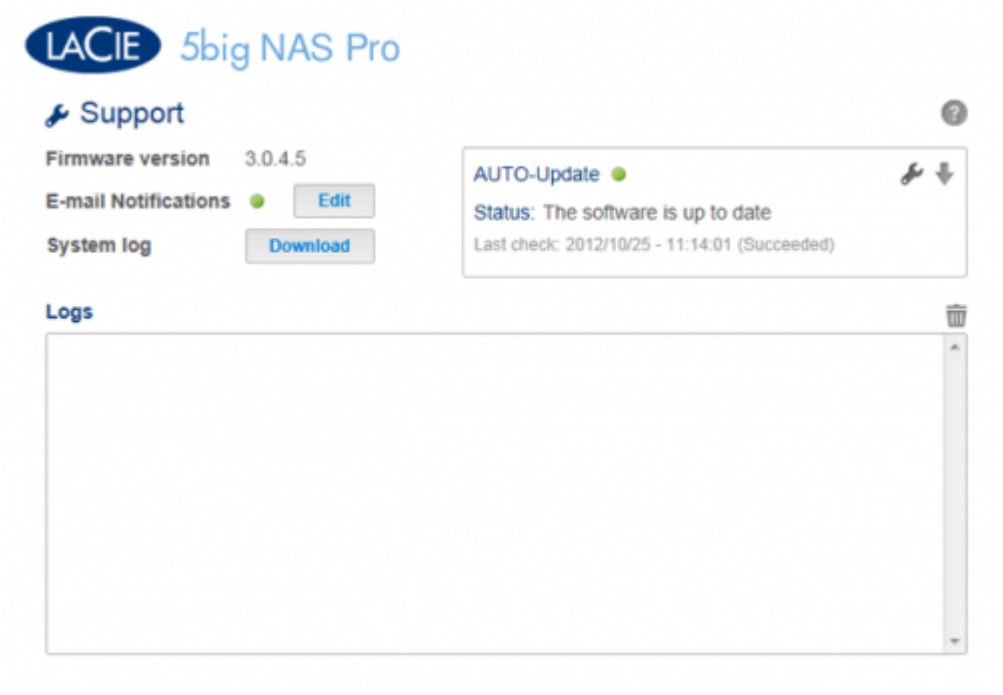
- **UPS Management:** Your LaCie NAS supports UPS (uninterrupted power supply) management. If you connect a supported UPS device to one of the 5big NAS Pro's USB port, click on **Advanced** to set the battery threshold level (%). Upon reaching the threshold level, the LaCie 5big NAS Pro will automatically enter stand-by mode.



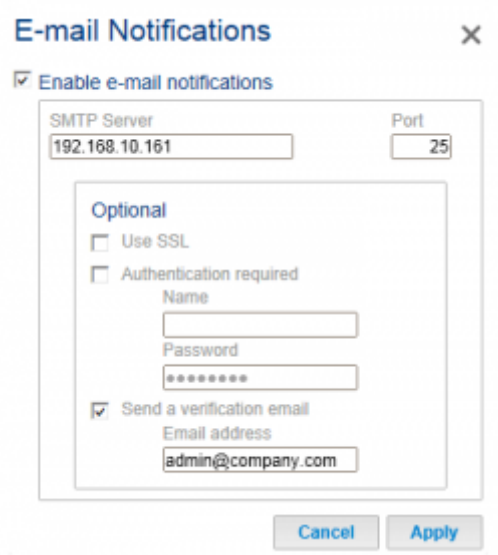
  - UPS Management LED indications: Green - power is being supplied through the power cable. Gray - power is not being supplied through the power cable.
  - For a list of supported UPS devices, click here.

SUPPORT

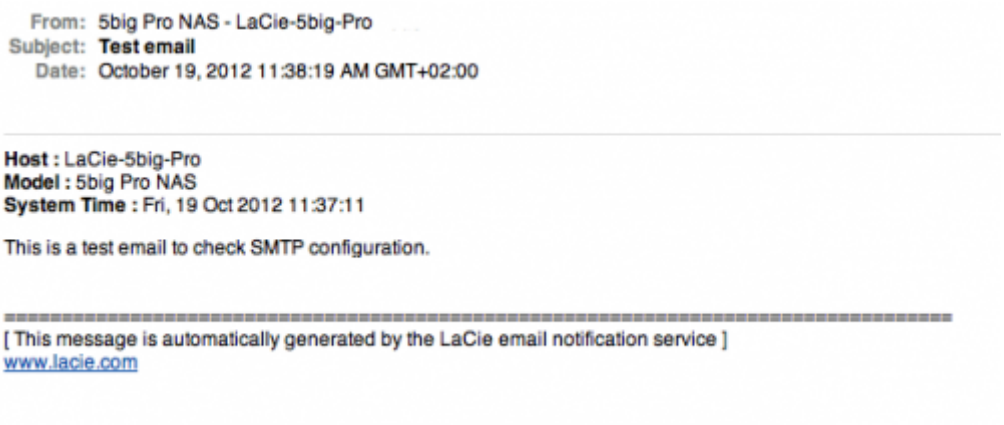
CONFIGURATION



- **Firmware Version:** Your LaCie NAS's operating system version will be listed here. This information is important when you're updating the OS or if you need to speak with LaCie technical support.
- **Email Notifications:** Click the **Edit** button to configure email notifications. **Important: Please make certain to enter the SMTP address for your email server. The 5big NAS Pro cannot send notifications without an email server.** You may use an in-house SMTP server or third-party providers such as gmail, hotmail, etc. If verification is necessary, check the box next to **Authentication required** to enter the valid email address and password. (See **Email Notifications Triggers** below for events that will generate emails.)



Email Server Prompt


From: 5big Pro NAS - LaCie-5big-Pro
Subject: Test email
Date: October 19, 2012 11:38:19 AM GMT+02:00
Host : LaCie-5big-Pro
Model : 5big Pro NAS
System Time : Fri, 19 Oct 2012 11:37:11
This is a test email to check SMTP configuration.
[This message is automatically generated by the LaCie email notification service]
www.lacie.com

Test email from the NAS

- **System Log:** Click the **Download** button to save the system log to your computer. The log may be useful to LaCie technical support in troubleshooting any issues.

EMAIL NOTIFICATION TRIGGERS

The following events will trigger an email notification if an email address has been provided in the Dashboard User page:

Event Identifier	Description	Recipient
Capacity	When the total available capacity is less than 90%	Admin
Download	When a download has completed or when a download error has occurred	Admin
Backup	When a backup begins, ends, is cancelled, or fails	Admin
Fan	When the fan stops	Admin
Temperature	The product has remained at maximum temperature for at least one minute	Admin
Password recovery	A user has recovered his/her password	Admin or user, depending on who made the request

AUTO-UPDATE

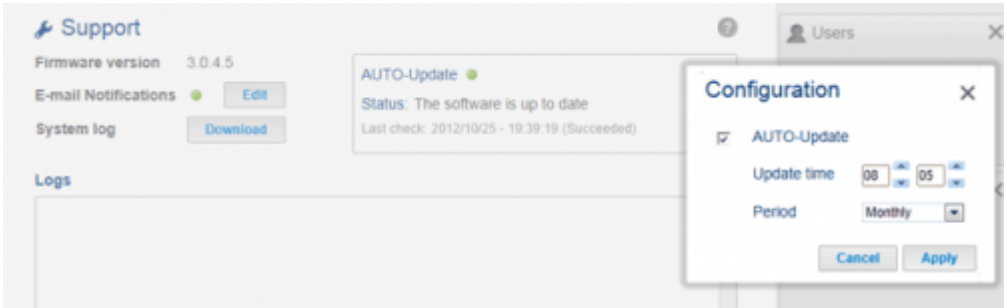
LaCie may improve your LaCie NAS's software or add new features over time. See below for updating information. Your LaCie NAS will automatically check if firmware update is available from the update server, and will install it for you.

In addition to updating the firmware from the Dashboard Support page, you can use LaCie Network Assistant to accomplish the same task. See below for details.

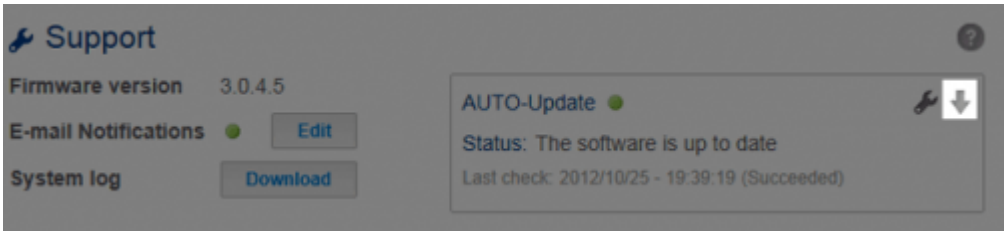
Important Info: During the update process, the front LED will blink red and blue.

Update Using the Dashboard

1. Launch the Dashboard and navigate to the **Support** page.
    1. Automatic: Under **AUTO-Update**, click the configuration icon (pencil) then click the **AUTO-Update** box. Select a frequency and time for the NAS to check the update server.



    2. Manual: Check for an update manually by clicking the gray downward arrow.



If a link appears, click it to begin the download and follow the update instructions. During the process, the drive will reboot.

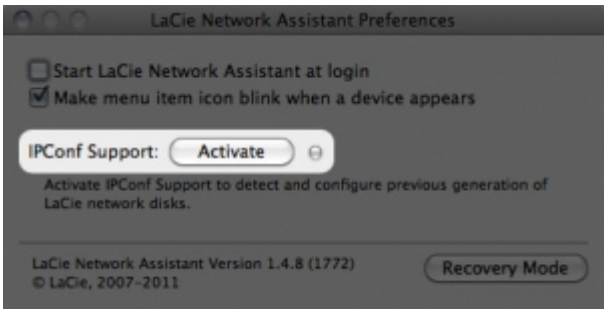
Update Using LaCie Network Assistant

This update procedure will not erase your configuration or files saved to the drive.

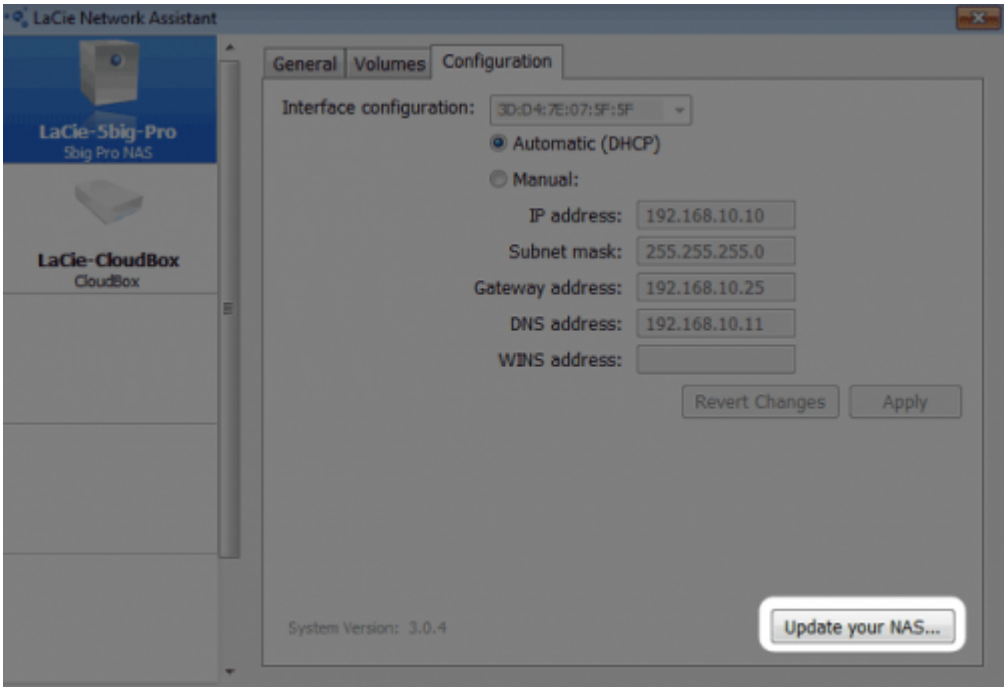
Important info: Before proceeding, make sure to:

- Connect your PC/Mac to the network using an Ethernet cable (turn off wireless connections).
- Make sure users on your network have stopped data transfers to the NAS.
- Turn off other NAS on the network except the one you wish to update.
- Disconnect all connections to shares on the NAS you want to update.

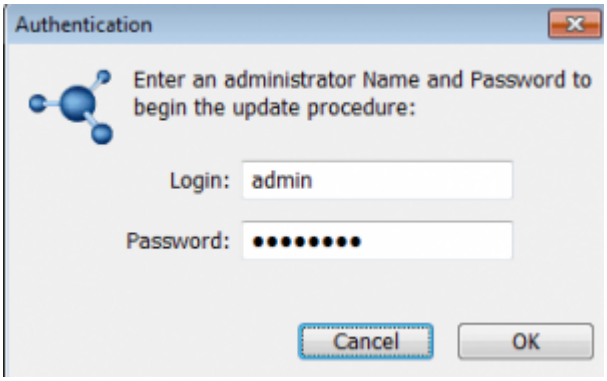
1. Make sure you are using the latest version of LaCie Network Assistant. If you download a newer version, please uninstall previous versions before continuing with the update.
2. Download the software update for your NAS here.
3. Run LaCie Network Assistant.
4. Go to **Preferences** and make sure **IPConf Support** is deactivated.


LaCie Network Assistant Preferences
Start LaCie Network Assistant at login
Make menu item icon blink when a device appears
IPConf Support:
Activate
Activate IPConf Support to detect and configure previous generation of LaCie network disks.
LaCie Network Assistant Version 1.4.8 (1772)
© LaCie, 2007-2011
Recovery Mode

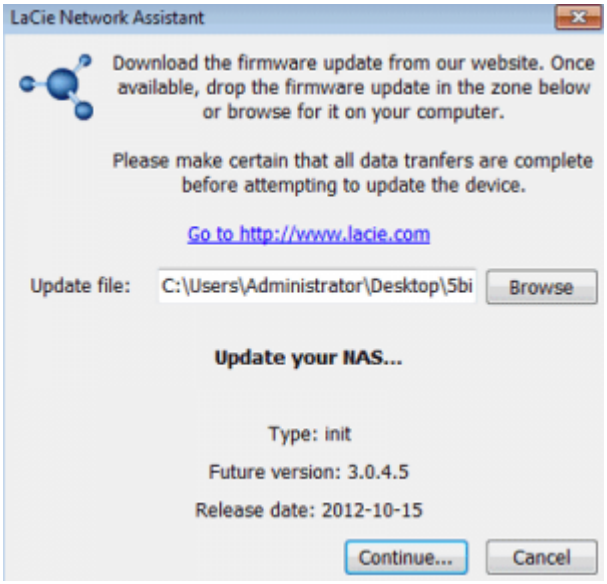
5. Select your product from the list on the left and then click the **Configuration** tab.
6. Click on the **Update your NAS...** button. Enter your admin username and password.



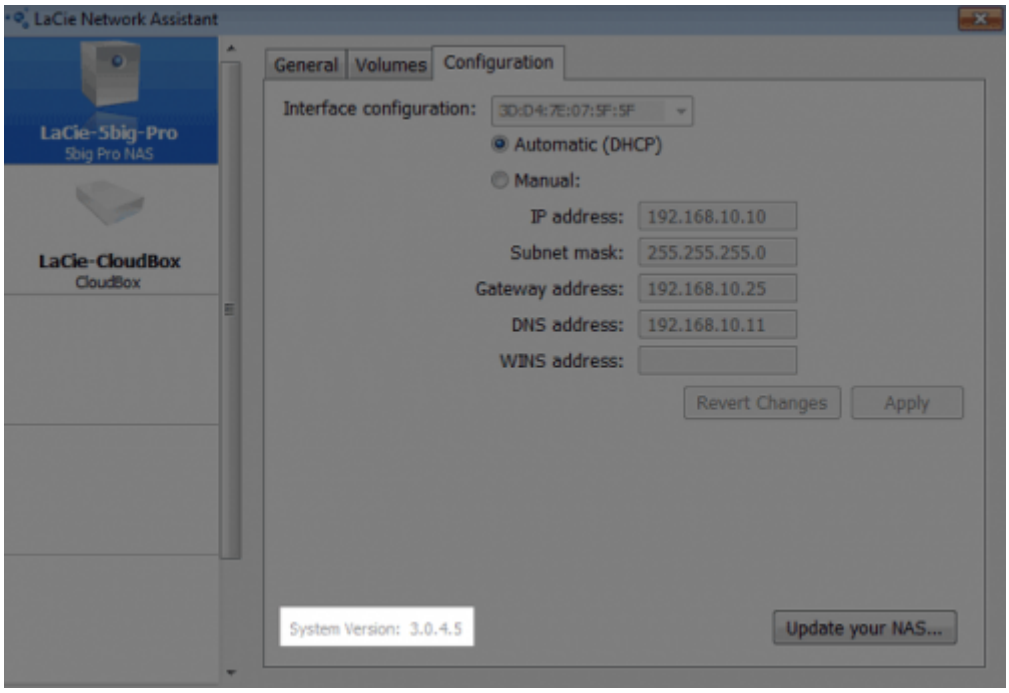
7. Enter your LaCie NAS administrator login and password.



8. Browse to and load the update package (.capsule file) you downloaded from the LaCie website.

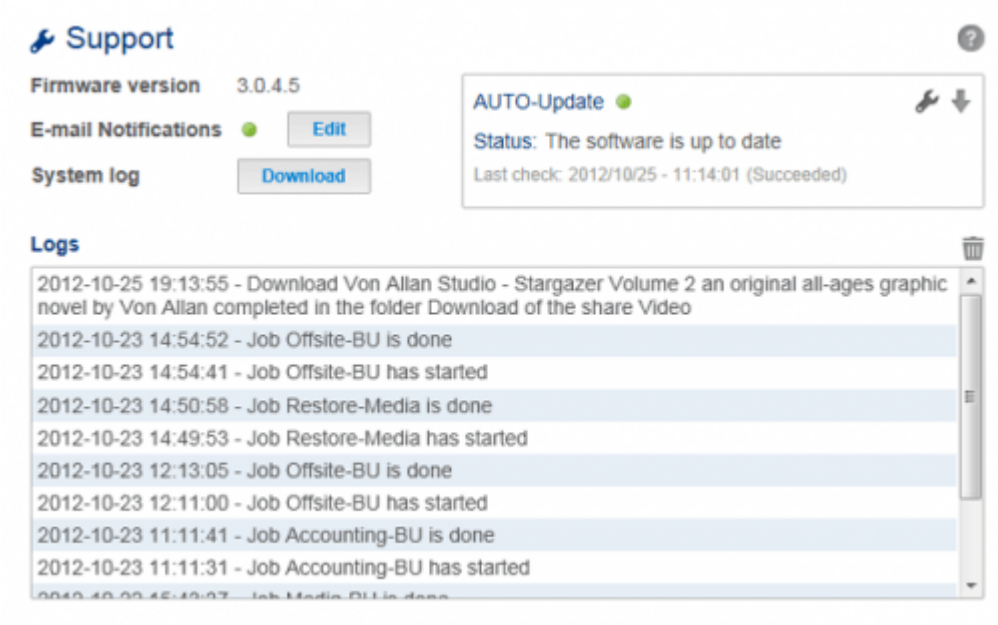

LaCie Network Assistant
Download the firmware update from our website. Once available, drop the firmware update in the zone below or browse for it on your computer.
Please make certain that all data tranfers are complete before attempting to update the device.
Go to http://www.lacie.com
Update file:
C:\Users\Administrator\Desktop\5bi
Browse
Update your NAS...
Type: init
Future version: 3.0.4.5
Release date: 2012-10-15
Continue...
Cancel

9. Click on **Continue...** to begin the update. Mac users may have to type in their administrator's password.
10. Once the update is complete, verify the update:
    - Launch LaCie Network Assistant then select the **Configuration** tab. Choose your NAS on the left of the window. The system version will be listed on the lower left.



11. If the update has fails repeatedly, you may try to connect the drive directly to your computer using the Ethernet cable. **LaCie only recommends this option to experienced users familiar with networking protocols.**

LOGS


Support
Firmware version 3.0.4.5
E-mail Notifications
Edit
System log
Download
AUTO-Update
Status: The software is up to date
Last check: 2012/10/25 - 11:14:01 (Succeeded)
Logs
2012-10-25 19:13:55 - Download Von Allan Studio - Stargazer Volume 2 an original all-ages graphic novel by Von Allan completed in the folder Download of the share Video
2012-10-23 14:54:52 - Job Offsite-BU is done
2012-10-23 14:54:41 - Job Offsite-BU has started
2012-10-23 14:50:58 - Job Restore-Media is done
2012-10-23 14:49:53 - Job Restore-Media has started
2012-10-23 12:13:05 - Job Offsite-BU is done
2012-10-23 12:11:00 - Job Offsite-BU has started
2012-10-23 11:11:41 - Job Accounting-BU is done
2012-10-23 11:11:31 - Job Accounting-BU has started

The Logs section will list important events, such as RAID change results and warnings.

To purge the listings from this list, click the trash icon.

WUALA SECURE CLOUD STORAGE

Wuala is no-hassle cloud storage for business and personal users. All users receive 5GB of free personal storage to store, backup, and synchronize files in the cloud. In addition to personal storage, Wuala can give everyone in your office easy access to files stored on the company's compatible LaCie NAS from any location in the world. Simply register your LaCie NAS on Wuala then invite co-workers, colleagues, and clients to create and access shares using the intuitive Wuala application.

MINIMUM SYSTEM REQUIREMENTS

Wuala Personal Storage

All users must have Wuala personal storage. Anyone can create an account and it's free! See Create a New Account for details.

LaCie NAS

- LaCie 2big NAS
- LaCie 5big NAS Pro

Computer

- Latest version of:
  - Windows® XP, Windows Vista®, Windows 7, or Windows 8
  - Mac® OS X 10.6, 10.7, or 10.8
  - Linux 2.6 or later
- Internet access (broadband recommended)
- Web browsers: Internet Explorer™ 7.0 / 8.0 Firefox™ 3.0, Safari™ 3.0, or Chrome 2.0 or higher
- Java 6 (also referred to as version 1.6)

Note on Java: At the time of this writing, Java 7 is not recommended for use with Wuala.

Mobile

- iOS 5.0 or later
- Android 2.2 or later

CREATE A NEW ACCOUNT

All Wuala users must have personal Wuala storage, including the administrator. Please note that Wuala personal storage is never confused with your LaCie NAS storage since they remain separate. Additionally, all users receive 5GB of free Wuala secure cloud storage so your team members can share files at work and at home.

Existing Wuala Users: Go directly to LaCie NAS for Wuala: Setup to get started.

New Wuala Users: Follow the instructions below to install the Wuala application on your computer and configure Wuala personal storage.

Important info: Coworkers that already have Wuala personal storage should provide the LaCie NAS administrator with their Wuala contact names.

WUALA FOR YOUR COMPUTER

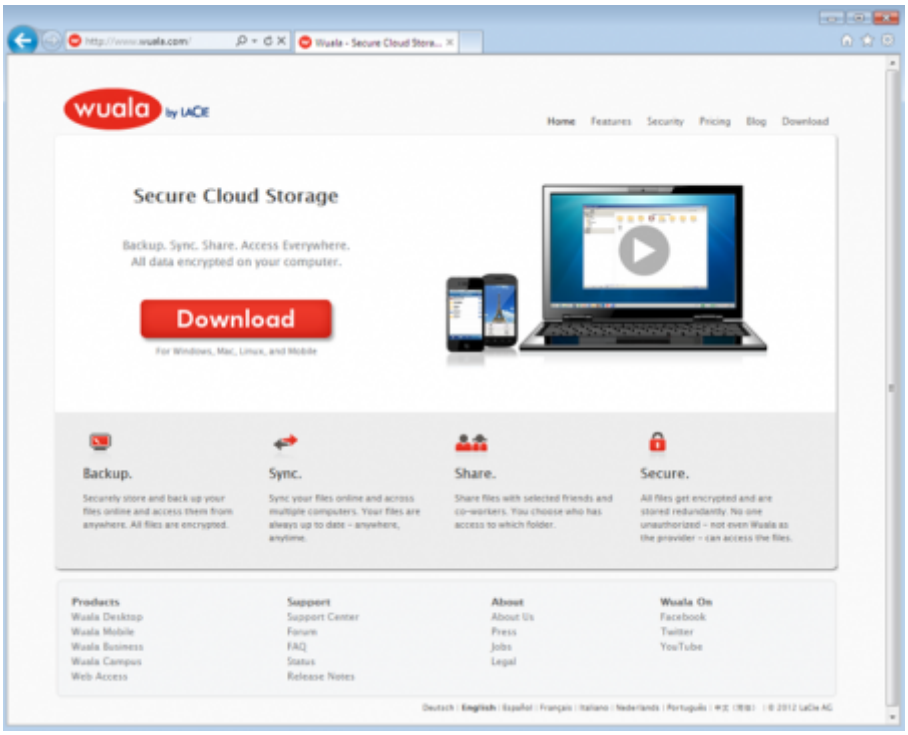
Please follow the instructions for downloading and installing Wuala according to your operating system:

- Windows
- Mac

Download and Install Wuala on Windows

To download Wuala onto your computer, please open your preferred browser and go to www.wuala.com.

1. Click on **Download**.



2. Depending upon the browser, you may receive a prompt asking if you wish to download or run the installer. Wuala recommends that you choose **Run** or its equivalent.
3. Once the installer has downloaded, the *Welcome to Wuala Setup* window will appear. Click **Next** to follow the installer prompts. If you are prompted to add drivers such as CBFS update, please follow the installation directions to completion. You may be asked to reboot your computer.

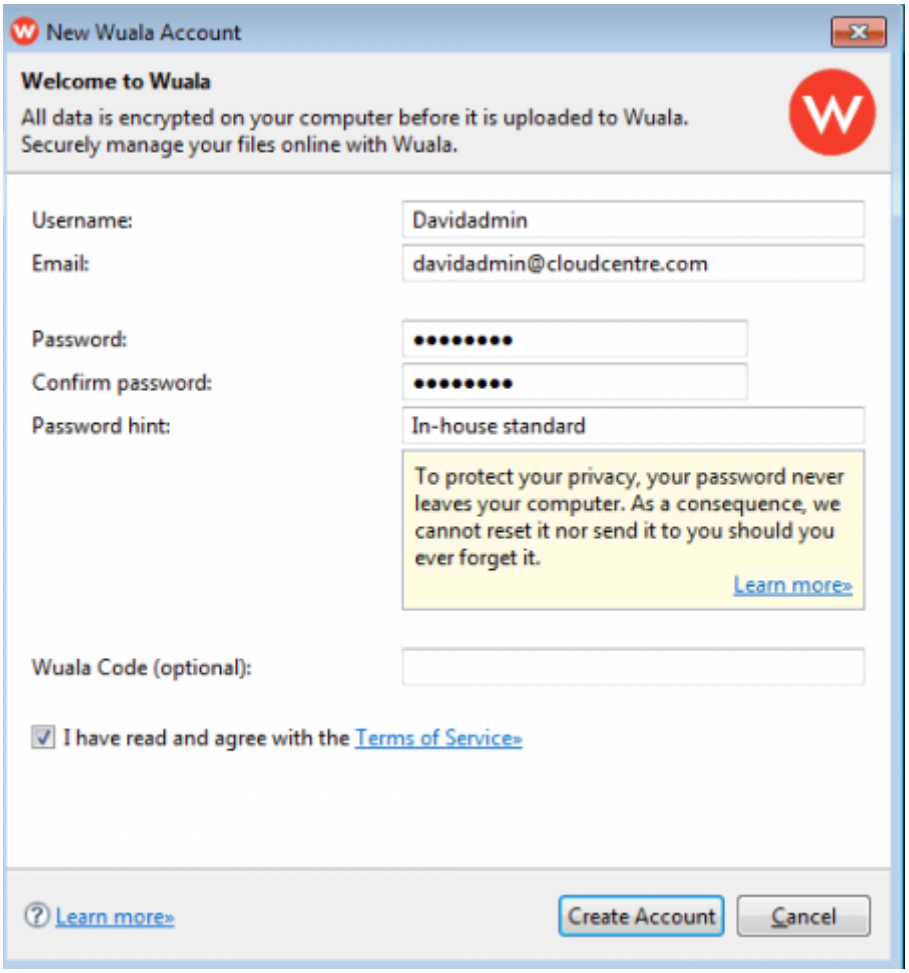
Wuala Setup
Welcome to the Wuala Setup
Setup will guide you through the installation of Wuala.
It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
Click Next to continue.
wuala
by LACIE
SECURE
CLOUD
STORAGE
Next >
Cancel

First Launch - Wuala on Windows

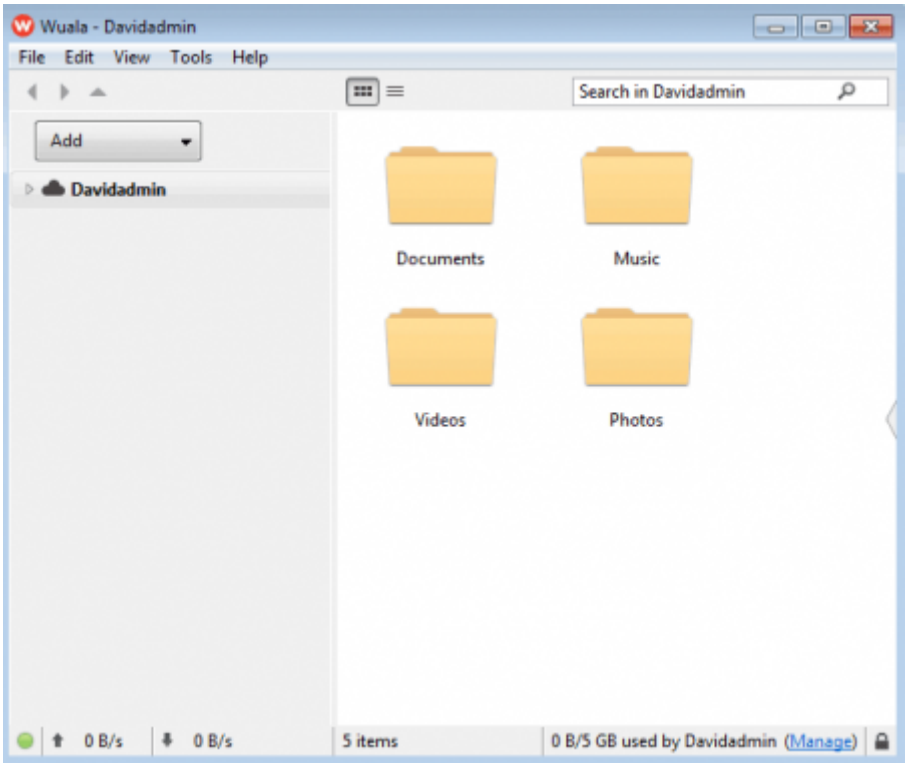
1. Launch Wuala from **All Programs/Programs**.
2. A prompt will ask you to sign in or create a new account. If you already have an account, select **Sign in with existing account** and skip to LaCie NAS for Wuala: Setup. If you do not have an account with Wuala, click **Create free Account**. An email will be sent confirming your Wuala account.

Secure Online Storage
Backup. Store. Share. Access Everywhere.
wuala by LACIE
Securely store and back up your files online. Access them from anywhere around the world. Share selected files easily with family, friends, and co-workers.
Wuala protects your privacy: All files get encrypted on your computer before they are uploaded. Your password never leaves your computer. This way, no one - not even the employees at Wuala or LaCie - has access to your private data.
To manage and share your files in Wuala, you need to sign in. If you have no account yet, you can create one now - it's free and only takes a few seconds.
Switch to English
Create free Account
Sign in with existing Account

3. Fill in all the applicable fields. Check the box next to *I have read and agree with the Terms of Service* then click **Create Account**.

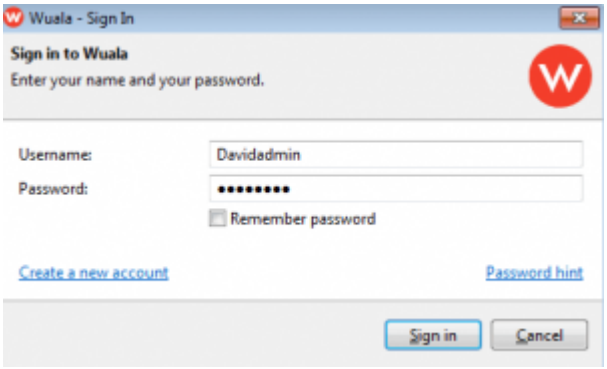

New Wuala Account
Welcome to Wuala
All data is encrypted on your computer before it is uploaded to Wuala.
Securely manage your files online with Wuala.
Username:
Davidadmin
Email:
davidadmin@cloudcentre.com
Password:
Confirm password:
Password hint:
In-house standard
To protect your privacy, your password never leaves your computer. As a consequence, we cannot reset it nor send it to you should you ever forget it.
Learn more»
Wuala Code (optional):
I have read and agree with the Terms of Service»
Learn more»
Create Account
Cancel

4. Your personal account has been created. Go to LaCie NAS for Wuala: Setup to get started with your company's Wuala Business Account.

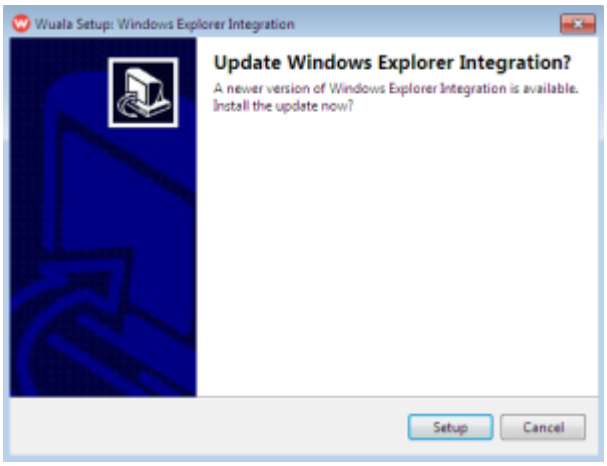


Notes on installation:

- If Wuala does not open immediately, please launch the application from **All Programs/Programs**. At the prompt, select **Sign in with existing Account** then enter the login and password you created.



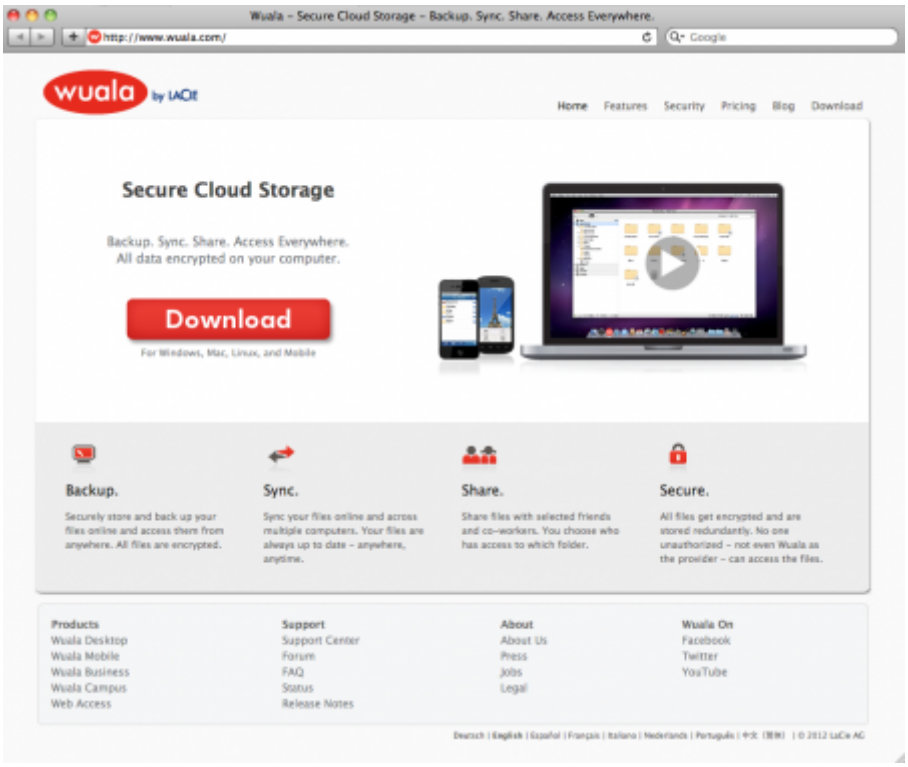
- A second update for Windows Explorer Integration may be required. If you are prompted, please click **Setup** to complete the installation steps and reboot your computer.


Wuala Setup: Windows Explorer Integration
Update Windows Explorer Integration?
A newer version of Windows Explorer Integration is available.
Install the update now?
Setup
Cancel

Download and Install Wuala on Mac

To download Wuala onto your computer, please open your preferred browser and go to www.wuala.com.

1. Click on **Download** to download Wualainstaller.dmg onto your computer.



2. Open the Wualainstaller.dmg file to begin the installation.
3. Wuala requires OSXFUSE to run properly on your Mac. If it is not already installed, please click twice on OSXFUSE.pkg to begin the installation.
4. Follow the installation steps for OSXFUSE. You may be prompted for the administrator's login and password.

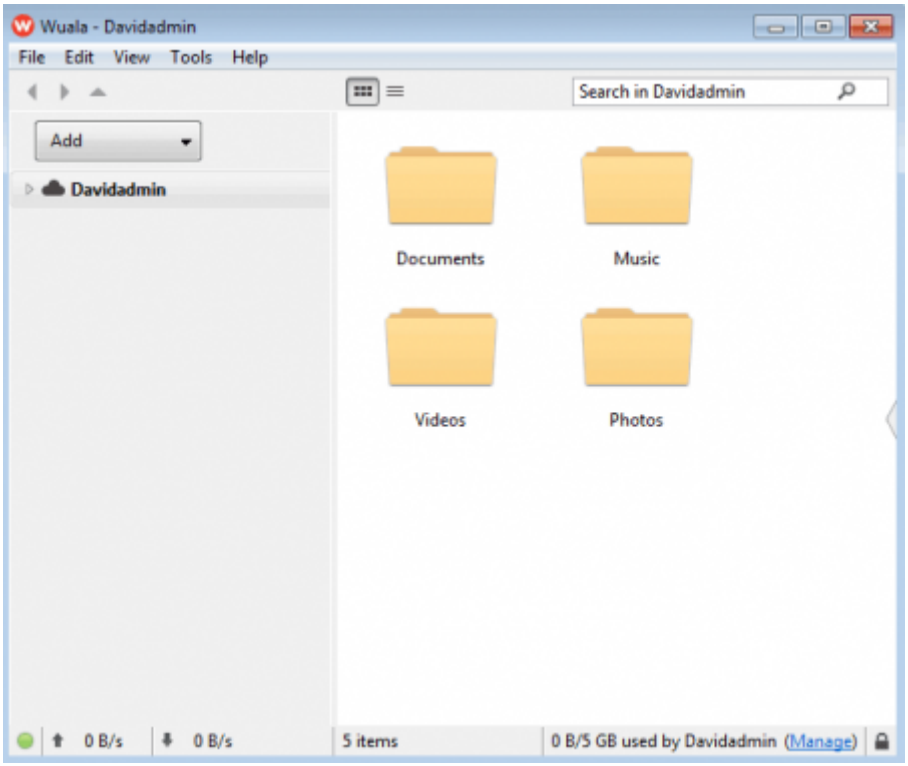
First Launch - Wuala on Mac

Configure your Wuala personal storage:

1. From the desktop, select **Go > Applications** and click twice on the Wuala application.
2. You may receive a Mac OS prompt. Please select **Open** to continue.
3. A prompt will ask you to sign in or create a new account. If you already have an account, select **Sign in with existing account** and skip to LaCie NAS for Wuala: Setup. If you do not have an account with Wuala, click **Create a new account**.
4. Fill in all the applicable fields. Check the box next to *I have read and agree with the Terms of Service* then click **Create Account**.

New Wuala Account
Welcome to Wuala
All data is encrypted on your computer before it is uploaded to Wuala.
Securely manage your files online with Wuala.
Username:
Davidadmin
Email:
davidadmin@cloudcentre.com
Password:
Confirm password:
Password hint:
In-house standard
To protect your privacy, your password never leaves your computer. As a consequence, we cannot reset it nor send it to you should you ever forget it.
Learn more»
Wuala Code (optional):
I have read and agree with the Terms of Service»
Learn more»
Cancel
Create Account

5. Your personal account has been created. Go to LaCie NAS for Wuala: Setup to get started with your company's Wuala Business Account.



WUALA FEATURES

Wuala has many options for personal use and business applications:

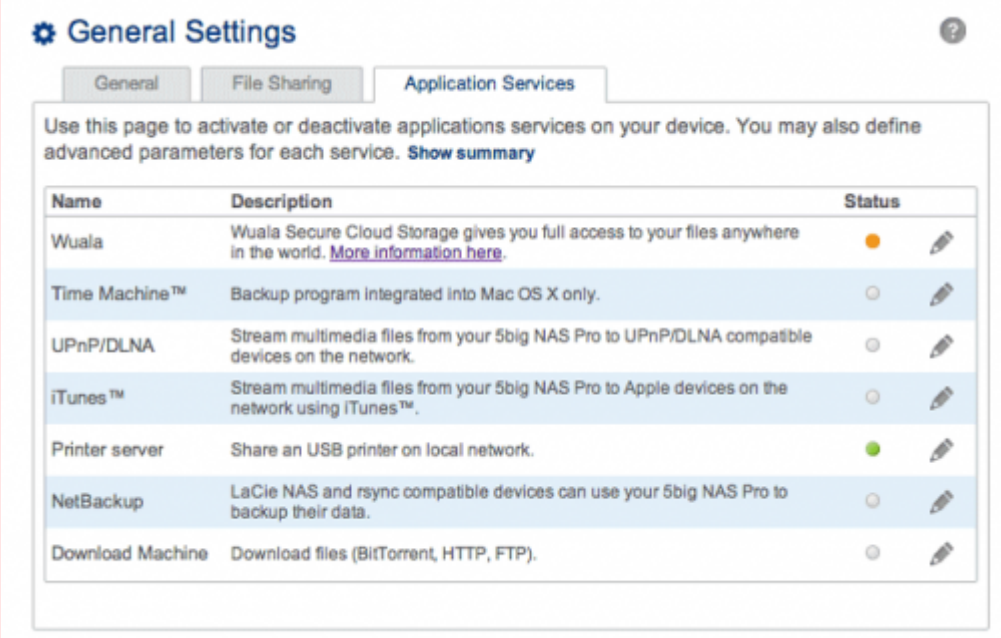
- Folder sync across multiple computers
- Online backup
- File versioning
- Remote access across the world (PC/Mac and mobile)

See the Wuala User Manual to learn how to use these and other great features.

LACIE NAS FOR WUALA: SETUP

All Wuala users must have Wuala personal storage. Please create your Wuala account Create a New Account before following the directions below.

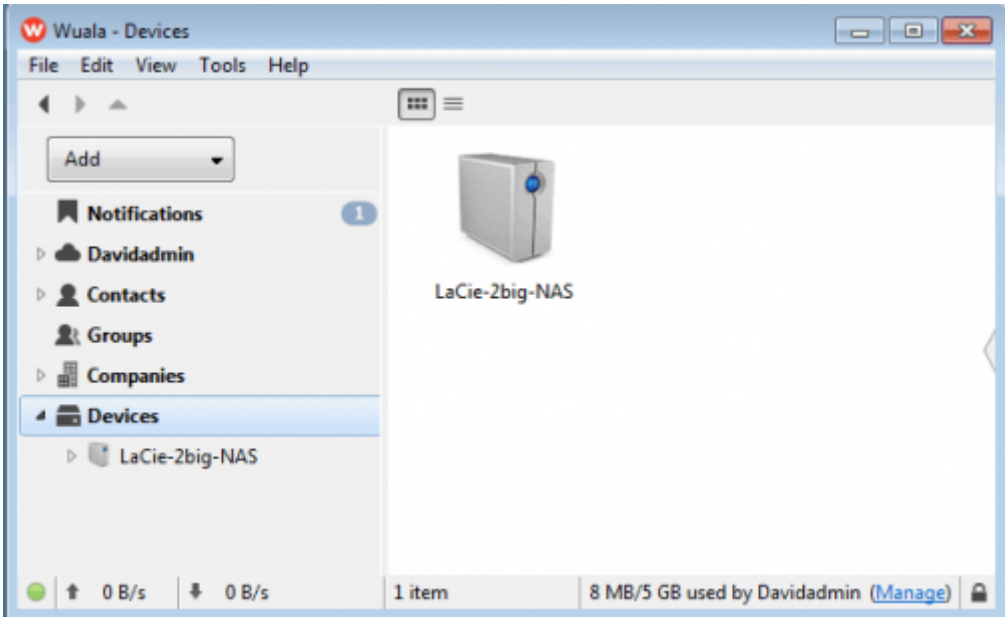
Note on the Dashbaord: Wuala is listed as a service in **General Settings > Application Services**. By default, the Wuala service is enabled. Disabling the service in the Dashboard will prevent you from using Wuala to access your LaCie NAS. Please note that the circle will turn from orange to green once you have registered your LaCie NAS on Wuala.


General Settings
General
File Sharing
Application Services
Use this page to activate or deactivate applications services on your device. You may also define advanced parameters for each service. Show summary
Name
Description
Status
Wuala
Wuala Secure Cloud Storage gives you full access to your files anywhere in the world. More information here.
Time Machine™
Backup program integrated into Mac OS X only.
UPnP/DLNA
Stream multimedia files from your 5big NAS Pro to UPnP/DLNA compatible devices on the network.
iTunes™
Stream multimedia files from your 5big NAS Pro to Apple devices on the network using iTunes™.
Printer server
Share an USB printer on local network.
NetBackup
LaCie NAS and rsync compatible devices can use your 5big NAS Pro to backup their data.
Download Machine
Download files (BitTorrent, HTTP, FTP).

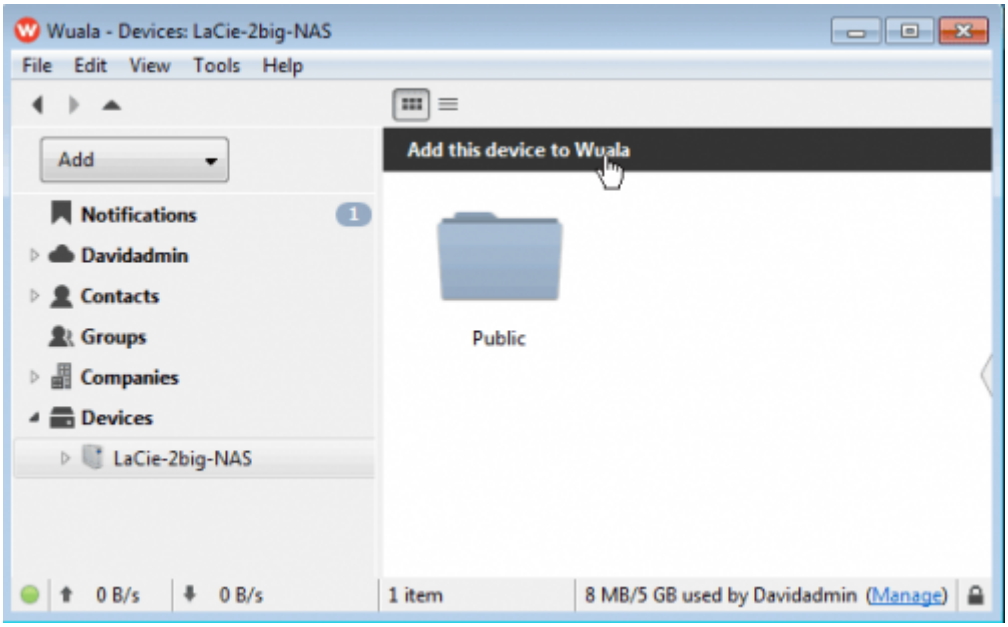
ADD YOUR LACIE NAS

You must perform the steps below on a computer connected to the same network as your LaCie NAS. Once you have registered the NAS on Wuala, access will be available outside of the network.

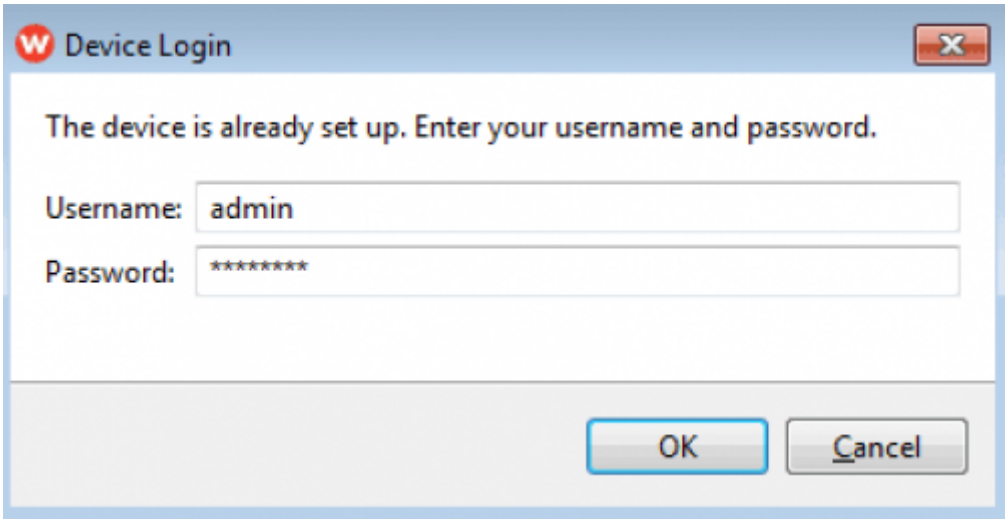
1. Log on to Wuala then click on **Devices**.



2. Select your LaCie NAS below *Devices* then click on the banner **Add this device to Wuala**.

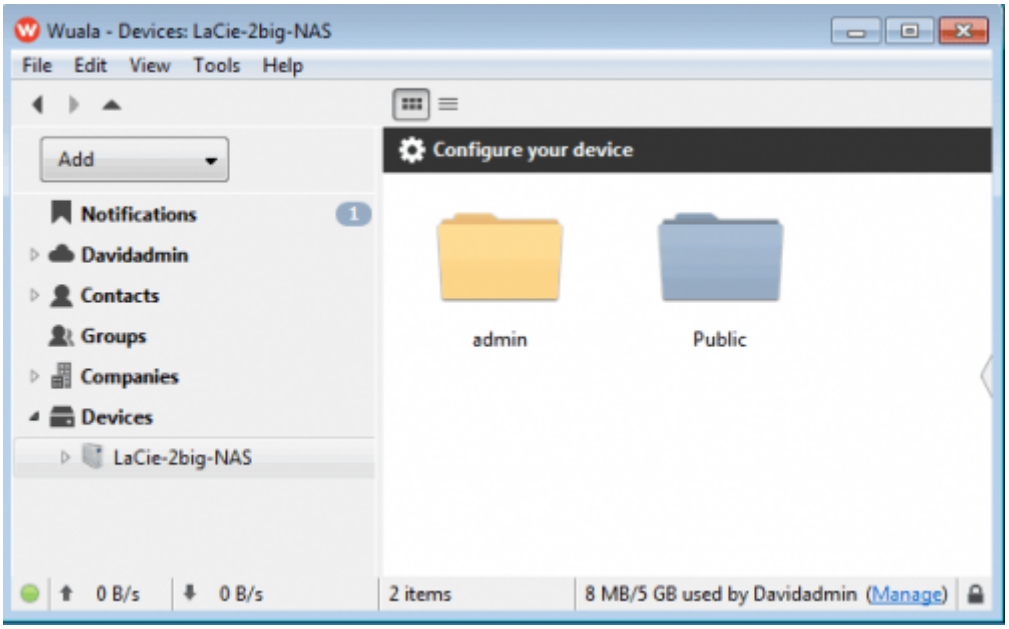


3. Enter the administrator's username and password.



4. The LaCie NAS has been added to your Wuala account.

Wuala
Your 2big NAS is now ready to use
You now have access to the following folders:
wuala by LACIE
Public
A folder that is shared with anyone who has access to the device.
admin
Your personal folder to store files you do not wish to share.
Close



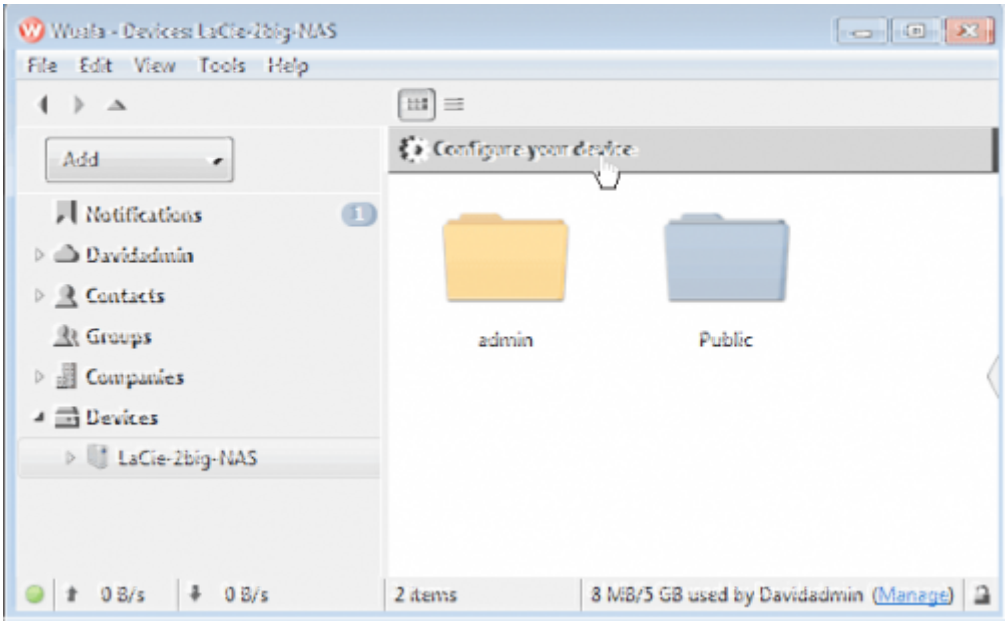
Important info on Remote Access: Users on your company network can access public folders on the LaCie NAS using Wuala. However, the administrator must invite users to give them remote access to the LaCie NAS on Wuala (see Invite Users below).

CONFIGURE YOUR LACIE NAS

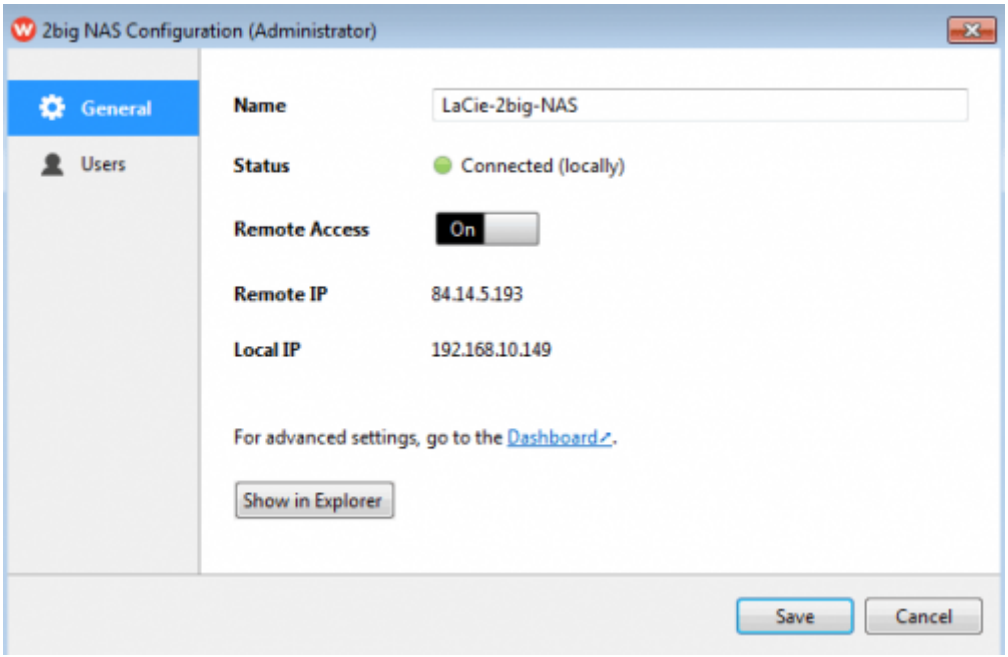
You may configure your LaCie NAS once it has been added to your Wuala account. Access is available anywhere with a connection to the internet providing that:

- The LaCie NAS is turned on.
- One or more ports on your company's router have been opened to allow access from outside the network.

1. In Wuala, click on **Configure your device**.



2. The Configure window offers two options: General and Users.

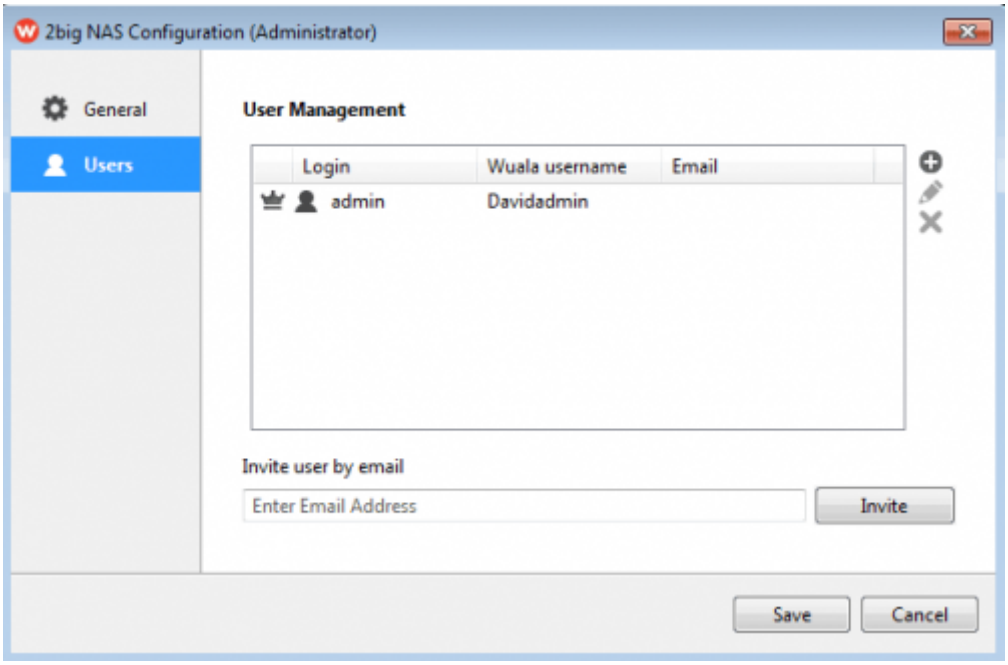


3. Within General you can:
   - Change the name of the LaCie NAS
   - Turn off Remote Access
   - View your Remote IP (also known as a Public IP) and Local IP addresses.
   - Access the Dashboard anywhere (no password required)

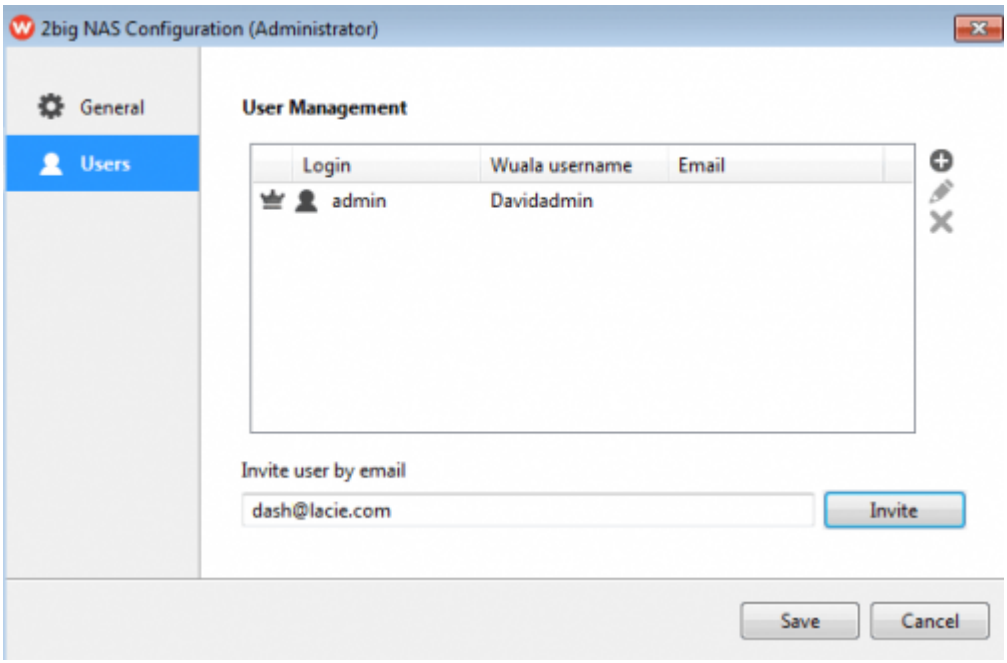
Note on Dashboard Access: Dashboard rights rely upon the user. Only an administrator will access all the management functions when clicking on the link for the Dashboard.

ADMINISTRATOR: INVITE USER(S)

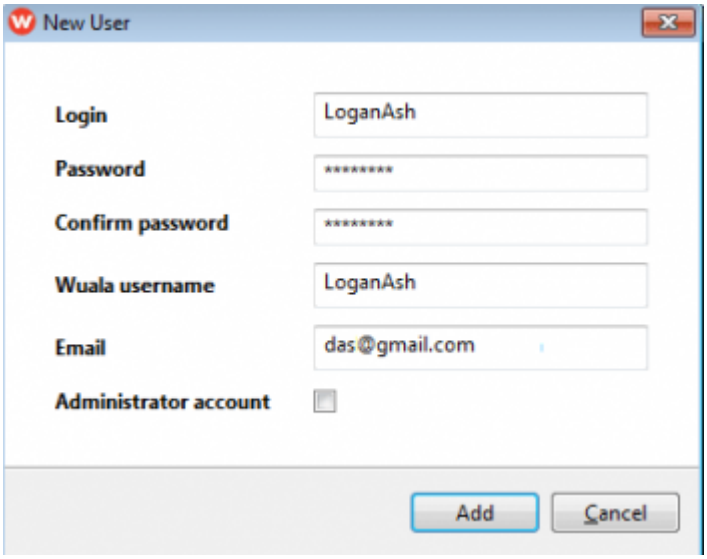
1. In Wuala, click on **Configure your device** then select **Users** on the left column.



2. You can invite a user via email or Wuala username.
   1. Email: Enter the email address in the applicable field then click **Invite**.



   2. Wuala username: Click on the **+** symbol then enter the appropriate information. **Important:** Please see your invitee for his Wuala username and email address. You must add a Wuala username in the *Login* field. Click **Add** to add the user to the list.

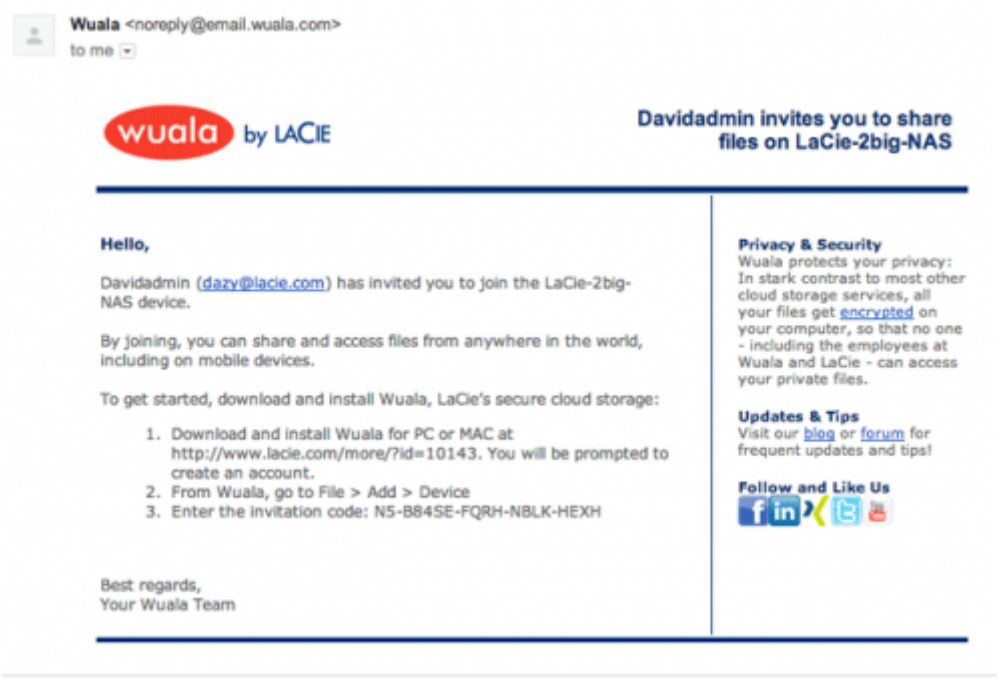


3. Users must accept the invitation for access to the LaCie NAS. See below.

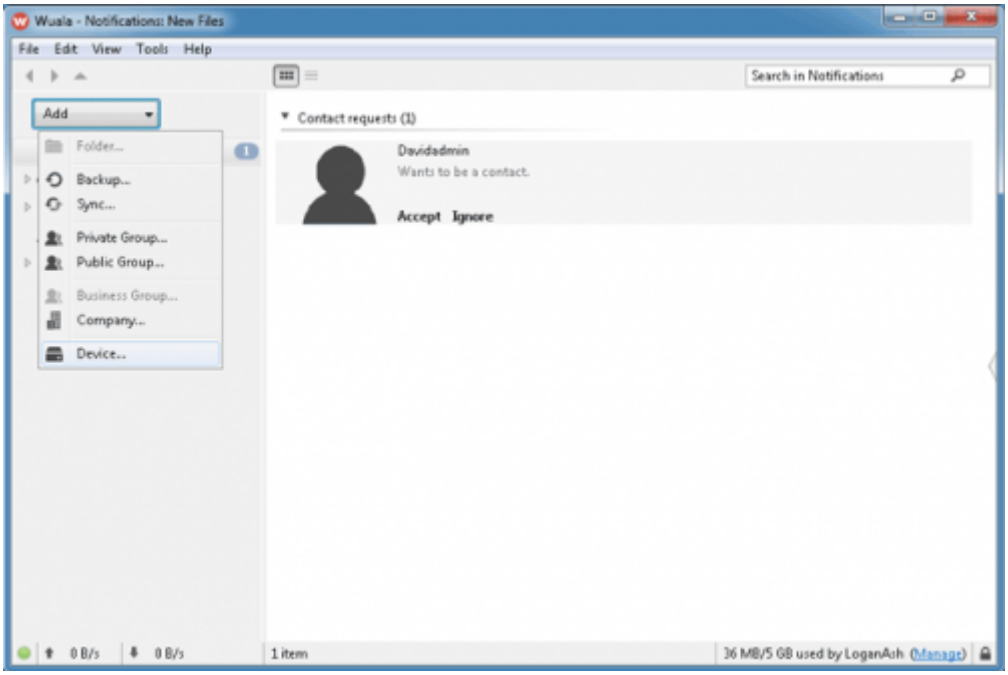
USER: ACCEPT INVITATION

The steps below may be performed on the same network as the LaCie NAS or outside the network.

1. Open your email to view the letter from Wuala. Note the code provided in the email.


Wuala <noreply@email.wuala.com>
to me
wuala by LACIE
Davidadmin invites you to share files on LaCie-2big-NAS
Hello,
Davidadmin (dazy@lacie.com) has invited you to join the LaCie-2big-NAS device.
By joining, you can share and access files from anywhere in the world, including on mobile devices.
To get started, download and install Wuala, LaCie's secure cloud storage:
1. Download and install Wuala for PC or MAC at http://www.lacie.com/more/?id=10143. You will be prompted to create an account.
2. From Wuala, go to File > Add > Device
3. Enter the invitation code: N5-B84SE-FQRH-NBLK-HEXH
Best regards,
Your Wuala Team
Privacy & Security
Wuala protects your privacy: In stark contrast to most other cloud storage services, all your files get encrypted on your computer, so that no one - including the employees at Wuala and LaCie - can access your private files.
Updates & Tips
Visit our blog or forum for frequent updates and tips!
Follow and Like Us

2. Log on to Wuala to select **Add > Device**.



3. Enter the code provided in the email. Please respct the case and hyphens.
4. The LaCie NAS has been added to the user's Wuala account with a private share in his/her name.

Important info: A user must have Wuala personal storage to accept the invitation.

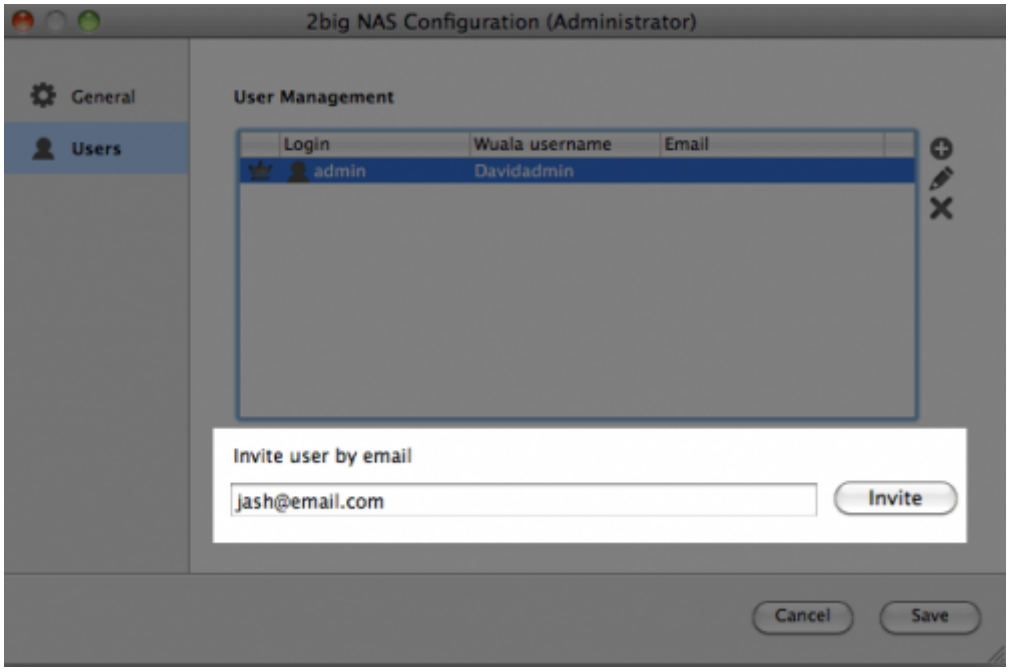
Wuala User Shares

A new share will be created on the LaCie NAS with each Wuala invitation. The name of the share is determined by the invitation to join the LaCie NAS.

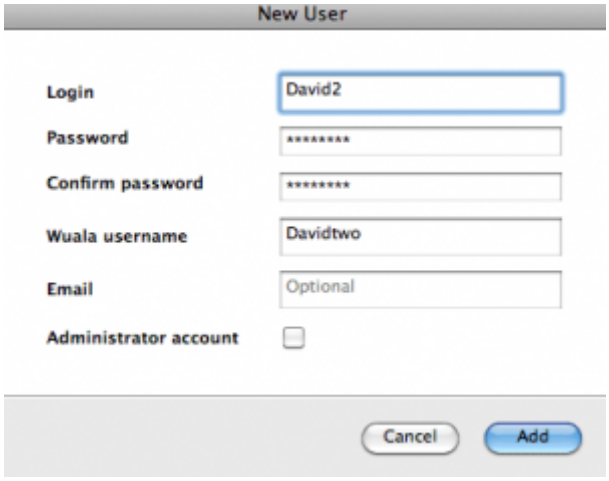
- The user receives an invitation via email: the share will take the intial name in the email address before the symbol @.
- The user receives an invitation via Wuala username: the share is named after the user's *Login*.

Please note the following examples:

- The administrator invites a coworker to join the company's 2big NAS via email. The coworker's email address is *jash@email.com* which means that the name of the share will be *jash*.



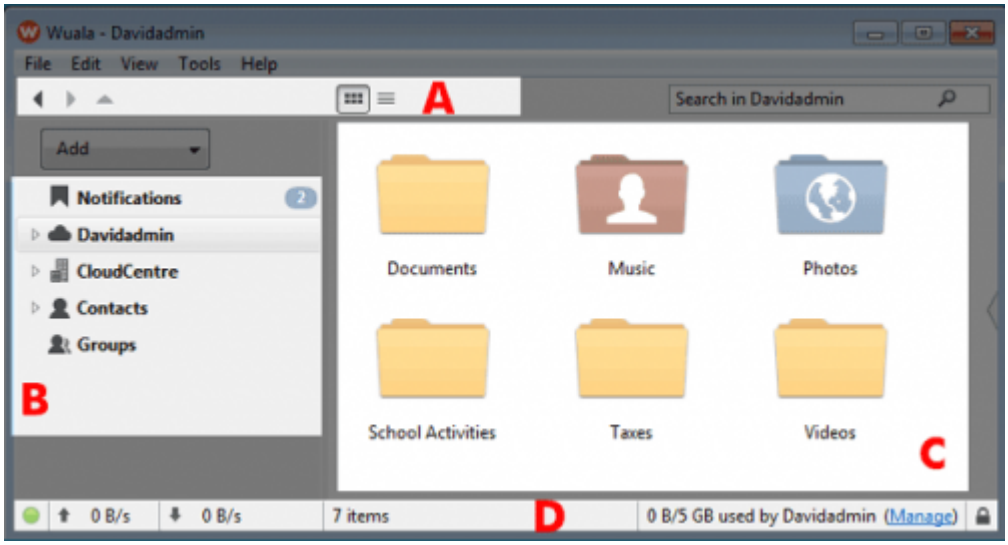
- The administrator invites a coworker to join the company's 2big NAS Pro via the Wuala username. The administrator has entered the **Login** *David2*, which means that the name of the share will be *David2*.



By default, only the user has read+write access to the the share that bears his name. However, the administrator can revise access rights to the share using the **Dashboard > Shares** page. See Manage Shares for details.

GET FAMILIAR WITH THE WUALA INTERFACE

The default Wuala interface has two columns with two primary panes.



- A - Toolbar
- B - Wuala account directory
- C - Folders and files
- D - Status bar

TOOLBAR

The icons represent:

- *Back* and *Forward* arrows

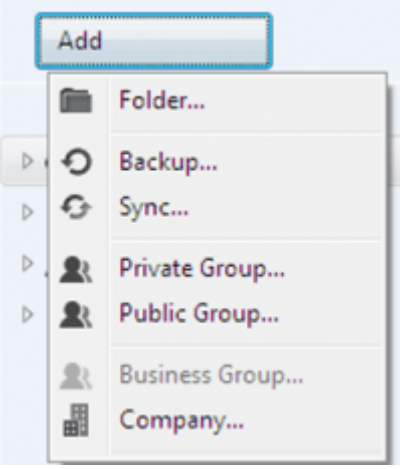
- Return arrow to the master directory (*User*, *Contacts*, *Groups*)

- View folders as *Thumbnails* or *Details*

Thumbnails

Details

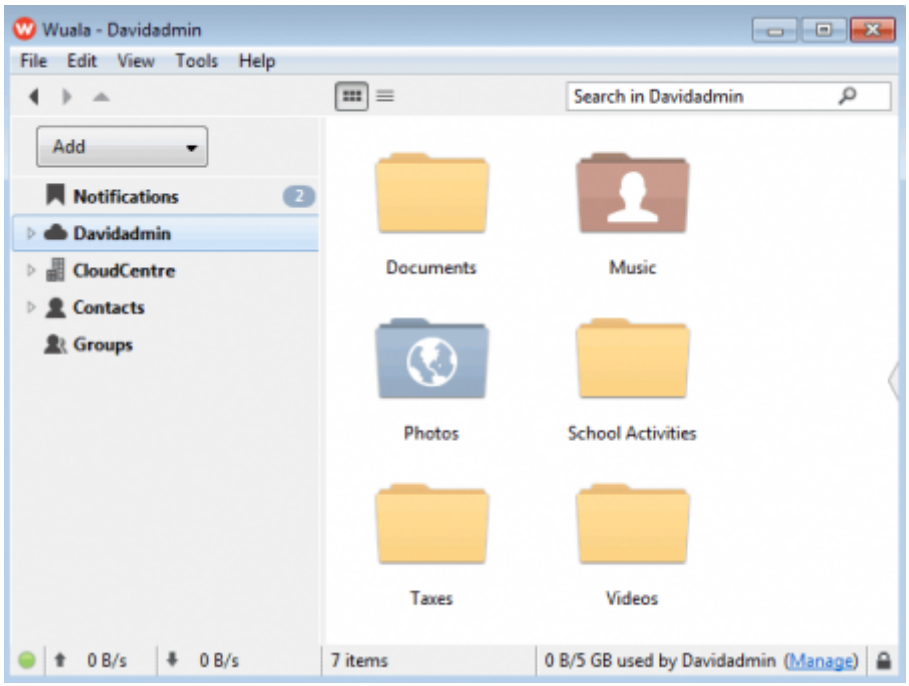
- Click **Add** to create a new *Folder*, *Backup*, *Sync*, *Group*, or *Company*.



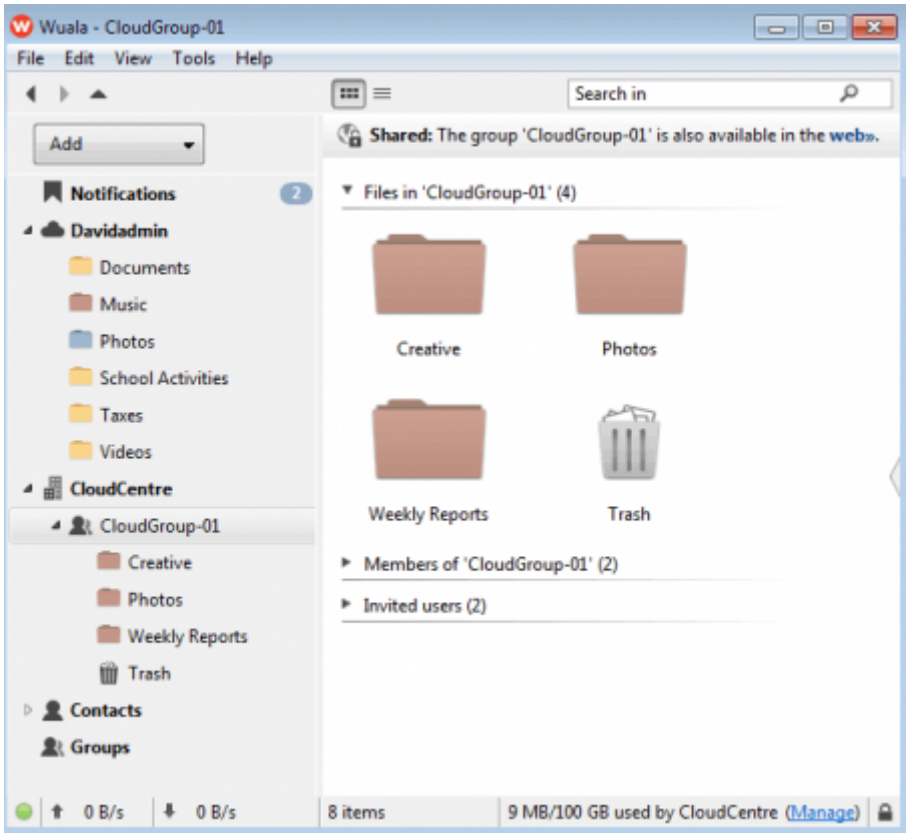
WUALA STORAGE DIRECTORY

The first column from the left lists your directory of Wuala accounts and groups:

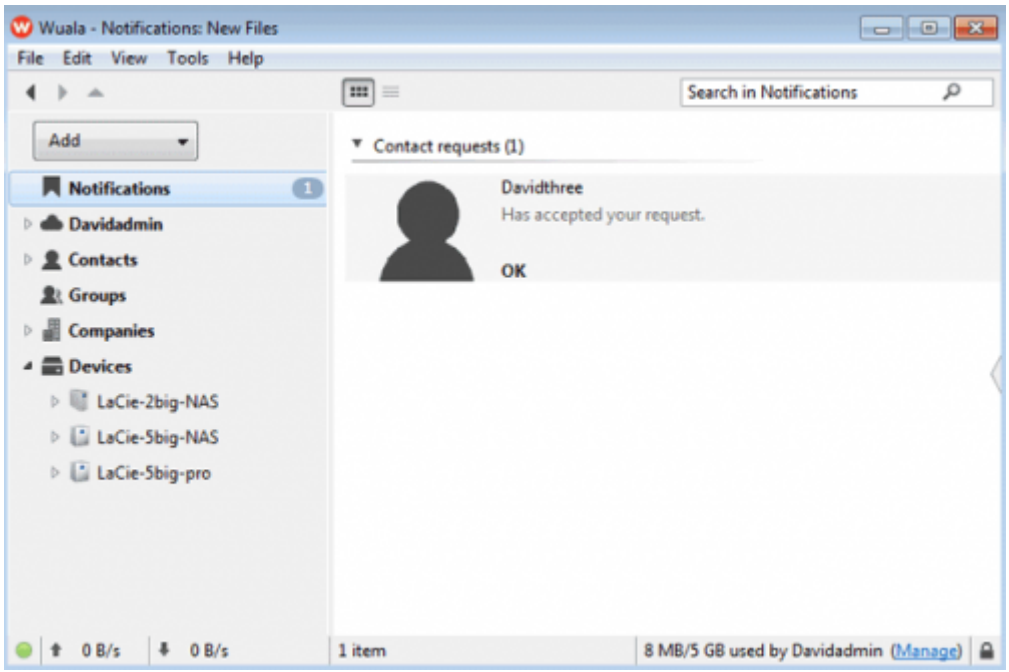
- **Notifications** - Recent updates to files are available for review.
- **Personal folders and files** - Users receive 5GB of free secure cloud storage with the option to upgrade. This storage remains separate from the Company storage listed in **Groups** below.



- **Companies** - Your Company storage and Business Groups. In the example below, the name of the Company is *CloudCentre*. **Please note that this will only be available to Wuala Business customers.**



- **Contacts** - Look at files that your Wuala contacts want to share with you.
- **Groups** - Access files shared by other Wuala users.
- **Devices** - Available to users with compatible LaCie NAS.

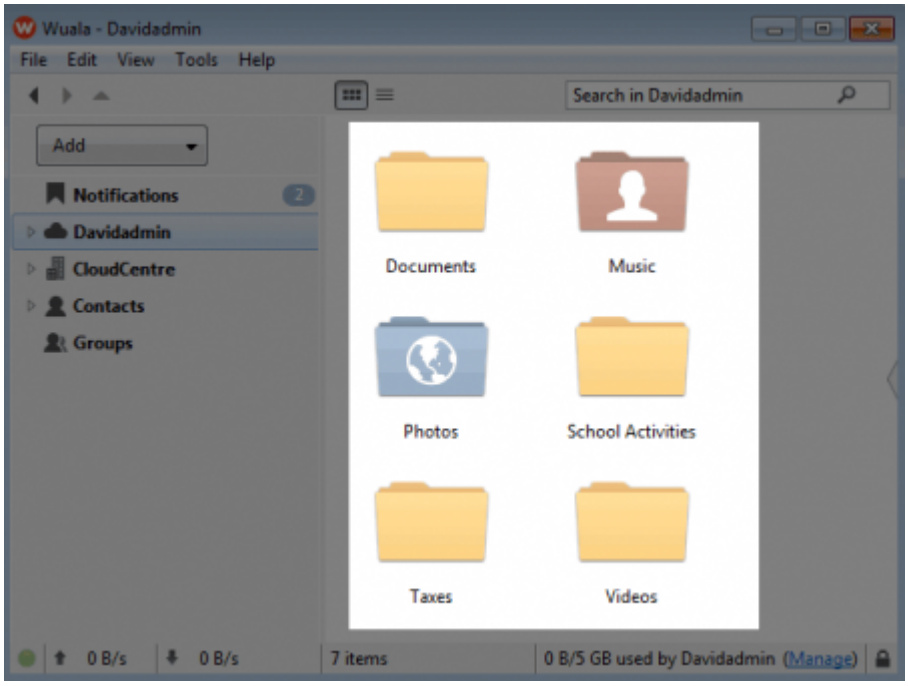


Notes: When first creating an account, you may only find the folders and files within the first column.

Contacts and Groups will appear once you have added them to your account.

FOLDERS AND FILES

The second column from the left gives you a larger perspective of your folders and files.



Folders are colored by access rights:

- Yellow - Private folder that can only be accessed by the user.
- Blue - Public folder that the user has opened for anyone to access. It can be found on a standard internet search engine and its contents are available to everyone.
- Red - Shared folder with access to a select group. The user has chosen to share files in the folder with a limited amount of people. Please note that folders within groups are red since they are shared.

A folder can have an icon that indicates it is being used for:

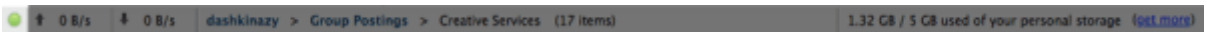
- *Backup*

- *Sync*

STATUS BAR

The icons represent:

- A green LED indicates the user is online. The LED will turn red if internet connectivity is lost.



- Upload and Download progress bars

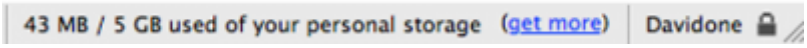
- File path and size

- Storage capacity used and available; link to add more storage and users to your account

The Status Pane storage capacity will differ according to the storage being accessed by the user:

- When accessing a group created for the company, the user will see the amount of total storage used by the team.

- When accessing personal storage, the user will see the amount of total storage used on his own Wuala storage.



WUALA BUSINESS

Wuala Business makes cloud integration easy for companies looking to expand their online data collaboration. With its intuitive interface and extensive set of online tools, Wuala Business provides all-new levels of data management within a company as well as with clients and partners. Data is always safe from unauthorized access since Wuala Business uses high-level encryption technologies.

Your purchase of a LaCie NAS includes a Wuala Business three-month trial. You and your team can take advantage of important features such as remote access (PC/Mac and mobile) all over the world, folder sync across multiple computers, and file versioning to track the histories of important documents. To begin your trial, use the Wuala Business Starter Code found on the flyer in your product's packaging.

Flyer with Wuala Business Starter Code

A Wuala Business Starter Code provides:

- 100GB of online storage
- Five Wuala Business Groups (online shares/volumes that may be classified by department, document type, etc.)
- Five users per Wuala Business Group (Groups can share users or be divided amongst different users)

Additionally, Wuala Business storage runs on the same application as Wuala personal storage. A single interface gives you easy access to personal, company, and LaCie NAS storage. To learn more, see our website, Wuala Business. For instructions on how to manage Wuala Business, please read the User Manual.

GETTING HELP

If you are having problems with your LaCie product, consult the table below for a list of available resources.

Order	Source	Description	Location
1	Quick Install Guide	Concise steps to follow for getting your product up and running	Either a printed leaflet or accessory box and included in the product box, or download PDF from the product page
2	Support Pages	Includes interactive troubleshooting topics for most common problems	www.lacie.com/support/, select your product, then click the “Troubleshooting” tab
3	User Manual	Includes common troubleshooting topics	See **Troubleshooting Topics** below
4	Customer Support	Create an account on lacie.com, register your product, and fill out a support ticket	Create an account here: www.lacie.com/us/mystuff/login.htm?logout&rtn=mystuff

Note: LaCie is dedicated to providing high quality products that enrich the lives of our customers. To help LaCie offer the best customer support, we encourage you to create an account and register your product at www.lacie.com/us/mystuff/login.htm? logout&rtn=mystuff. You can give us important feedback as well as receive updated information on your LaCie device.

SOFTWARE UPDATES

LaCie frequently releases firmware updates to improve the functionality of products. Please check frequently for recent updates to firmware and to LaCie Network Assistant to ensure optimum product performance. See Support for details.

TROUBLESHOOTING TOPICS

Note: Interactive troubleshooting, a highly effective way to resolve problems with your product, is available from www.lacie.com/support/. Select your product, then click the “Troubleshooting” tab.

Troubleshooting the Network Connection

No shares appear on the network.

Q: Does your computer's configuration meet the minimum system requirements?

A: Check the minimum system requirements in Introduction for more information.

Q: Is the NAS' power supply connected and is the front blue light on?

A: Make sure that the power supply is properly connected (see Connect to your Network); that the system is receiving power; and that the outlet the power supply is connected to is powered on or has a sufficient supply of power.

Q: Is the blue light on the front of the device flickering for an inordinate period of time?

A: If the blue light is flickering or will not turn on, the power supply may be defective. Please contact your LaCie reseller or LaCie Customer Support.

Q: Did you follow the correct installation steps?

A: Review Connect to your Network.

Q: Are both ends of the Ethernet cable firmly connected?

A: Disconnect the Ethernet cable, wait 10 seconds and then reconnect.

Ensure that the interface connectors are properly aligned. The Ethernet cable can only be inserted one way. Make sure it is correctly oriented.

Check that the Ethernet connectors are straight and fully seated in the Ethernet ports.

Make sure that you use the Ethernet cord that came in the box from LaCie.

Q: IP address problem?

A: By default the LaCie NAS is configured to retrieve its IP address from a DHCP server. If your network is managed by a DHCP server and you cannot access your LaCie NAS, try checking your DHCP server's log. To get the IP address, run LaCie Network Assistant, which is located on the LaCie Storage Utilities CD-ROM. If no DHCP server detected, the product will run APIPA to assign itself an IP address.
If you are using a non-DHCP server, go to the Dashboard Network page to learn how to change the IP address.

Q: Does your network require devices to be assigned a static IP address?

A: See Network for information on assigning a static IP address.

Q: Did you boot from the included LaCie USB Key (5big NAS only)? A: The LaCie 5big NAS Pro is shipped with a USB Key for use as a boot device. It can help you recover data or revert the device to its factory settings (see [[recovery

]] for details). If the USB Key is connected to one of the USB ports, please remove it and reboot the NAS.

A user does not have access to the LaCie NAS Dashboard or shares.

Q: Has the administrator created an account for the user?

A: In order for another user to access the LaCie NAS, two conditions must be met: 1) the administrator must create and provide the user with username and password; 2) the LaCie NAS must be connected to the network via Ethernet for users to access the drive.

I cannot access my account. I enter my login and password and receive an error message.

Q: Is your password correct?

A: If you input an email address in the Users page, you can reset your password. To do this, click on the “forgot my password” link on the login page. Follow the instructions to complete the reset.

I've noticed a delay in accessing the shares.

Q: Are you transferring multiple files simultaneously, using the download feature, or rebuilding the RAID array?

A: Access to a share, including file transfers and bit torrent activity, as well as rebuilding the RAID array, can reduce performance.

I cannot see the media files stored on the LaCie NAS on my UPnP AV media player or adapter.

Q: Are the media files stored on a public share and is the multimedia service active at the share level?

A: UPnP AV devices can discover media files stored on public shares. Files stored in non-public shares may not be accessible to UPnP devices. Additionally, the multimedia service must be activated on the global level and for the share in question.

Troubleshooting Expansion Device Connection

I connected a USB drive to the USB expansion port, but the drive does not mount and is not listed in the LNA.

Q: Is the drive's file system supported by the LaCie product?

A: Your LaCie NAS only recognizes external hard drives with the following file systems: MS-DOS (FAT32), NTFS, HFS+ (non-journaled only), EXT3, or XFS. If your drive's file system is not one of those listed, reformat it, then reconnect to the LaCie NAS.

Q: Is the drive formatted in MS-DOS (FAT32) and has (a) volume(s) larger than 2TB?

A: Due to a limitation inherent in MS-DOS, volumes larger than 2TB won't be recognized by the LaCie NAS.

I can't copy a file from a connected external hard drive to a share on my LaCie NAS.

Q: Is the drive formatted in MS-DOS (FAT32) and the file size is larger than 2GB?

A: Due to a limitation inherent in MS-DOS, files larger than 2GB cannot be transferred to a share on the LaCie NAS.

A hard disk is making clicking noises.

Q: Is the sound "soft clicking" or "hard clicking"?

A: Soft clicking can be the normal sound of the drive working. If the drive is functional, this is normal. Drives do not typically give an indication of any problems prior to failure, so it does not mean it is about to fail if the drive is making a clicking sound and still functioning. If the drive is non-functional, there are two possible causes:

• The drive could be corrupted. Reformatting the drive can solve this issue.
• The drive could have a failure in the external power supply or power cable. Try using a different one, if possible.

Hard clicking is a very noticeable sound, and is akin to hearing metal-on-metal impacts. This behavior is usually indicative of a physical failure. If nothing traumatic happened to the drive prior to this starting, consider it to be soft clicking, and troubleshoot the problem as suggested above.

Third-Party Accelerator Software

I installed software to enhance transfer rates but everything is slower.

Q: Did you install third-party software that has not been tested by LaCie?

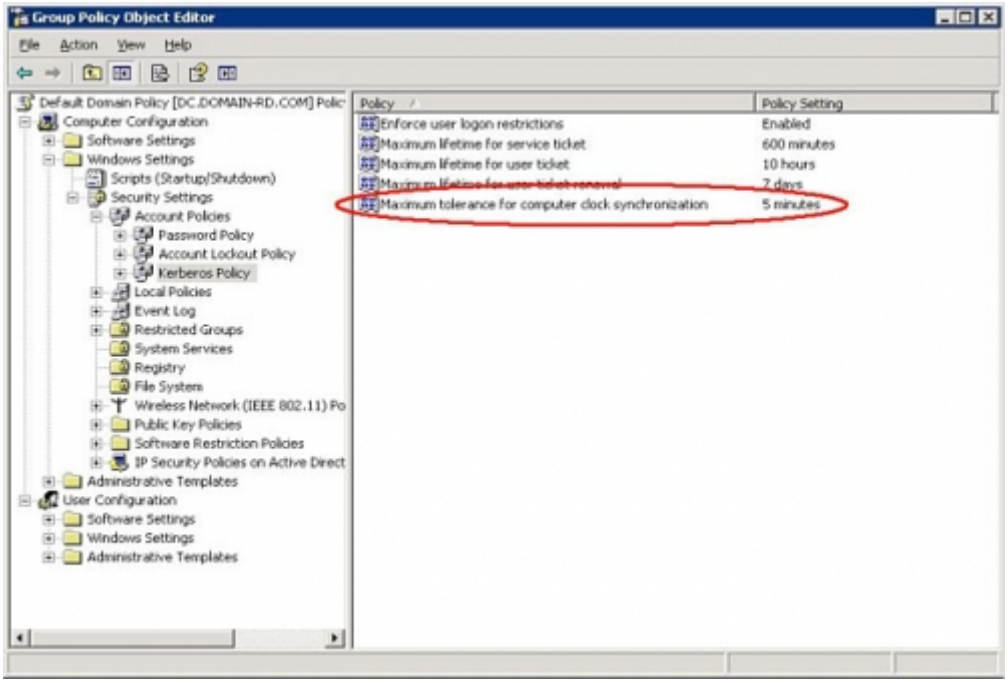
A: LaCie cannot guarantee the performance of its devices when used with software that has not been tested. Certain third-party software accelerators interfere with LaCie NAS OS performance, diminising transfer rates by as much as 40%.

Troubleshooting the Active Directory Connection

Thousands of different network and domain configurations exist, so these troubleshooting tips are necessarily general. However, checking the following points could help.

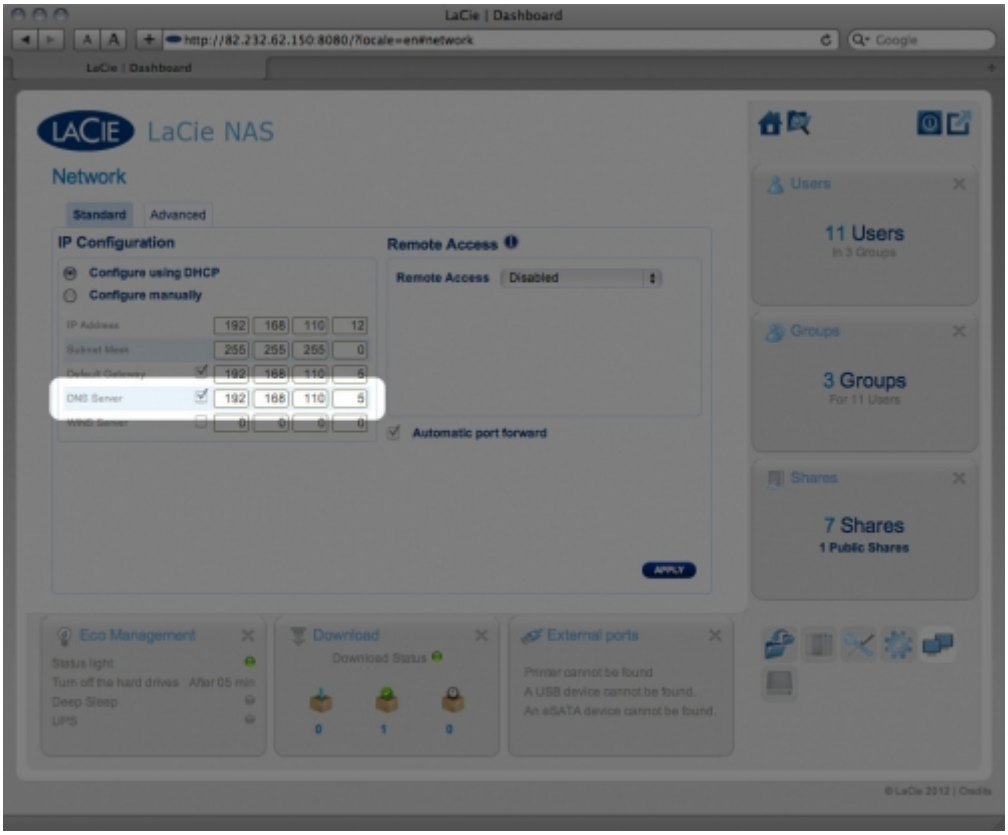
Product / LAN Side

1. Make sure that the latest product operating system has been installed. Check http://www.lacie.com/us/support/drivers/index.htm?id=10007.
2. Make sure no heavy load processes are running (not mandatory but could help), for example:
    1. No RAID construction is running (wait until RAID is built)
    2. No multiple downloads are running (stop or wait until download is finished)
    3. No multimedia database building (disable Multimedia)
    4. No backups running (stop or wait until backups are finished)
3. Make sure all users are disconnected from the product (not mandatory but could help) and that no heavy data transfers are taking place simultaneously.
4. Make sure the product is assigned the correct date, time, and time zone. The reason is that a time discrepancy of more than five minutes between the domain and product may prevent or cause disruptions to the Active Directory (AD) connection. This tolerance is defined in Domain Controller Policy, and the default value is usually five minutes.



The most precise way to set the product's time is to use the NTP Server feature in the Dashboard - General Settings widget. It can also be set manually from this page.

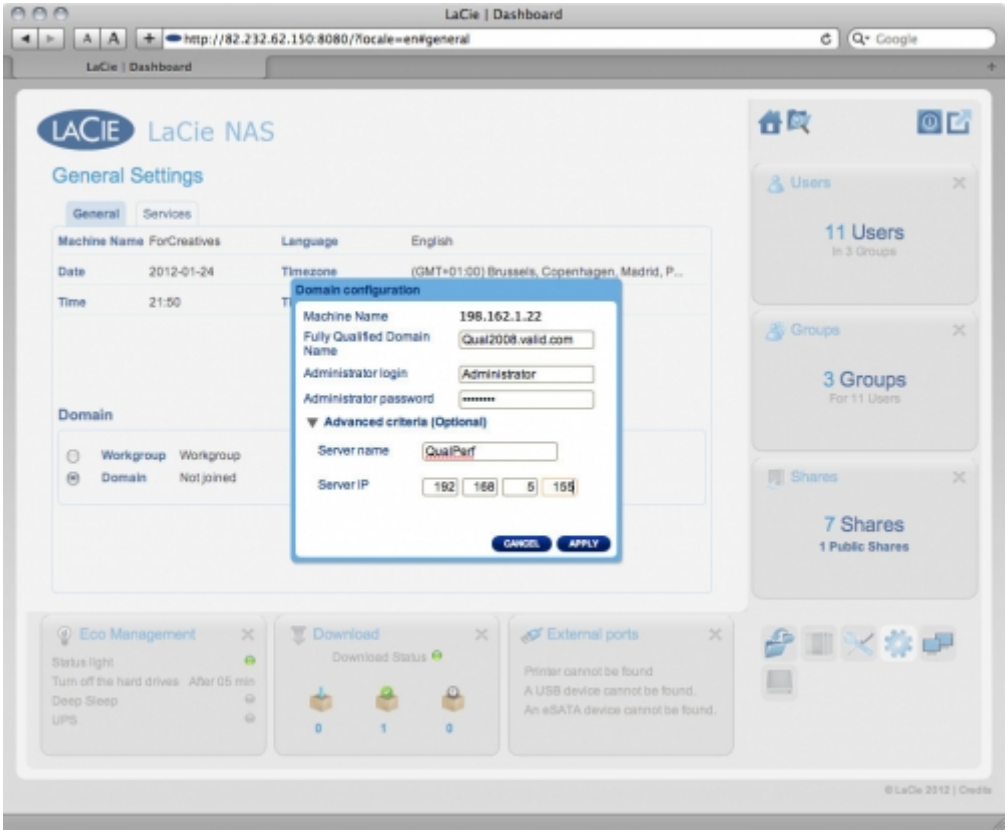
5. Make sure that the DNS server address provided to the product is a domain DNS, NOT an internet DNS (as may be provided by an internet provider).



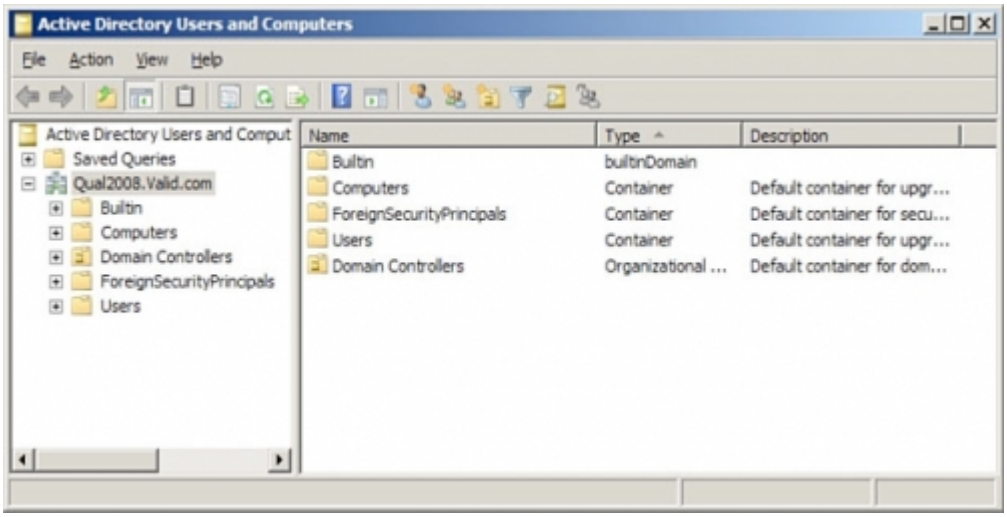
The product must connect to the local network domain, not to a server on the internet.

It's important that the product be assigned a correct and reachable DNS server IP address on the local network configuration, because joining a domain is based on DNS resolution. Verify the DNS IP on another computer on the same network as the LaCie product. From this computer, attempt to ping the DNS server.

6. Dashboard: **Domain Configuration** window settings:



1. Enter the domain's Full Qualified Domain Name (FQDN). For example: **directory-example.domain.com** (Active Directory Users and Computers Tool on Primary Domain Controller)



2. Admin login: Use the AD's administrator username.
3. Admin password: Case sensitive.

7. Optional Advanced Criteria can be input to help with joining.

1. **Server Name** is the Domain Controller Host Name
2. **Server IP** is the Domain Controller IP

All the above points must be verified, including the next section about configuring the AD to ensure correct Domain joining. Any incorrect configuration can cause the connection to fail.

Active Directory / Domain Side

On the Active Directory/domain side, the following points should be checked by the Active Directory administrator, as configuration is different for every customer.

1. Ask the AD administrator to verify if Kerberos Server & Time Server are registered in the domain DNS, in order to allow the LaCie product to connect. Kerberos Server & Time Server need to be accessible to the LaCie product, as these servers are involved in the joining process.
2. Check the machine name object in AD. Check that it's placed in the right container (not the default “computer” container) and check access rights for the machine name (such as who can log on to it). You may also need to delete the machine name in order to reset the object in AD.

   It may be necessary for the domain administrator to create a computer account in AD in the right container prior to joining the LaCie product in the domain (with the computer account name being the product's machine name).

3. There may be an issue when joining a domain if a sub-domain has been set up. The question to ask is whether the domain joining was done using the correct domain/sub-domain name. (Again, check the machine name object location/rights in AD). Could the user belong to a different sub-domain not authorized to access the product?

Note: If the LaCie product fails to connect to a properly configured AD, you should provide LaCie technical support with the domain network configuration log from the **Dashboard - Support** page for analysis.

WUALA FEATURES OVERVIEW

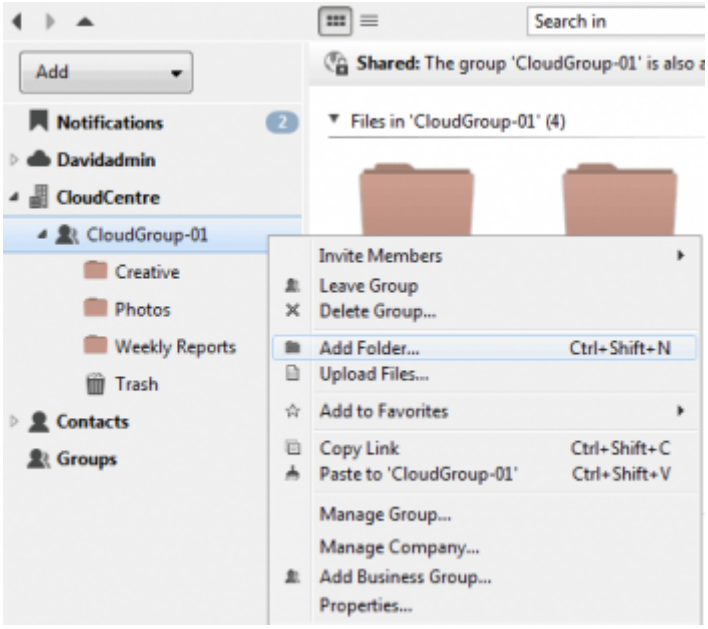
Wuala provides secure, easy sharing of your business data in the cloud. You will also find important tools that help you to collaborate with your coworkers while protecting everyone's data.

Feature	Click to view
Create folders to share with the group.	Create Folders
Add files for the group to share.	Upload Files
Copy folders from your desktop to Wuala.	Copy Folders
Download folders and files from Wuala to your computer or an external volume.	Download
Delete and restore files.	Delete and Restore Files
Share files and folders with others via secret weblink.	Share
Building Your Wuala Contact List.	Wuala Contacts
Backup folders to a Wuala personal account.	Backup
Sync folders to multiple computers.	Sync
Edit files within Wuala.	Edit Files
Find earlier versions of documents.	Versioning
Add more Business Groups to your Company Storage.	Multiple Business Groups
Move backwards in time to grab earlier versions of folders and files using Time Travel.	Time Travel

CREATE FOLDERS

Create folders to better organize the files your team stores on Wuala.

1. Right-click on the username or group to select **Add Folder...**

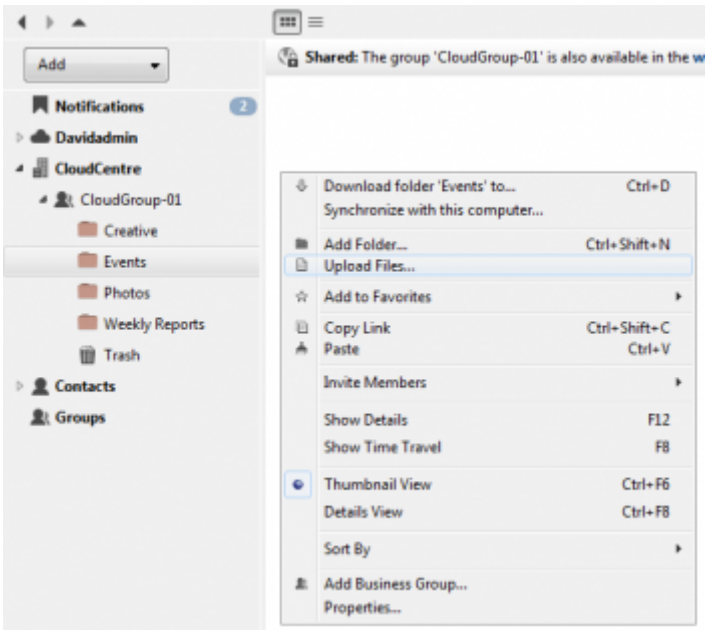


2. Enter the name for the new folder then click **OK**.

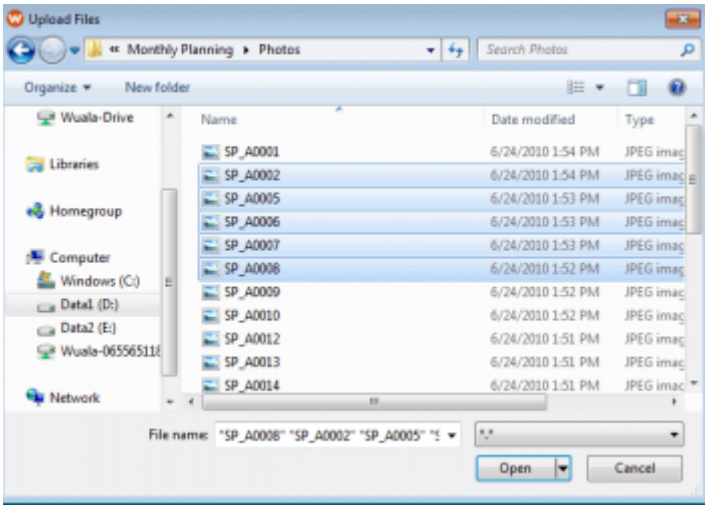
UPLOAD FILES

While data can be stored on the root level of personal storage or a group, Wuala highly recommends that you create folders to organize files uploaded to Wuala. To upload files to a folder:

1. Open a folder then right click to select **Upload Files...**



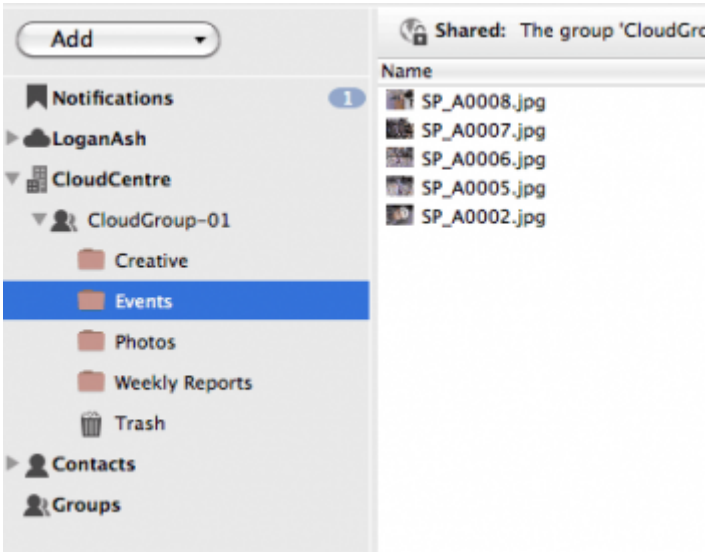
2. Browse in your computer to the folder with the files that you wish to upload to Wuala. You may choose to upload one file or several.



Add one or several files

3. The file(s) will appear in the folder. Please note that upload times will vary based upon the speed of your connection to the internet.
4. In the case of groups, all members can access the files uploaded by a single member.

Another member logs onto Wuala



The upload files is available to everyone in the group

Note: Files may also be uploaded to Wuala using drag and drop or copy and paste.

COPY FOLDERS

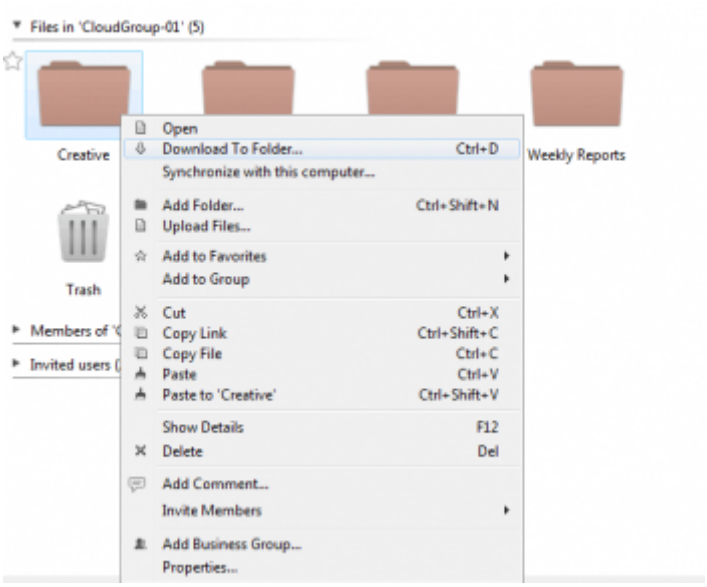
You may copy folders directly to your Wuala group.

1. Log onto Wuala and select your group.
2. Locate the folder(s) you wish to copy to Wuala. You can copy folders from internal hard drives, external hard drives, or network volumes.
3. To upload the folder(s) to Wuala, drag it/them to the Wuala group.
4. The time to complete the upload will depend upon the amount of data stored in the folder(s).

DOWNLOAD

Folders and files can be downloaded to your computer, an external hard drive, or a network volume.

1. Right click on the folder or file and select **Download To Folder...**



Download a file

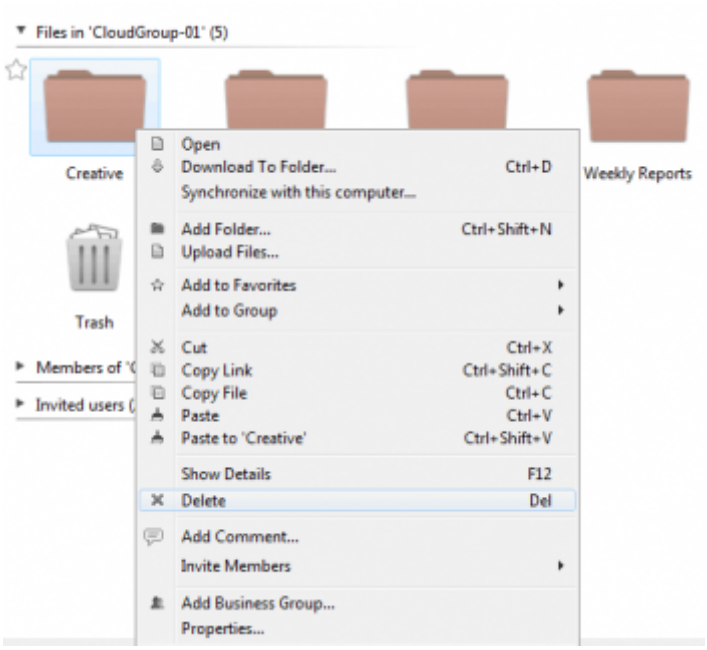
2. Browse your computer to select the download location and click **OK**. The time to complete the download will depend upon the amount of data stored in the folder(s) or the size of a file.

DELETE AND RESTORE FILES

You can move folders and files to the trash for deletion. Files that have not been emptied from the trash may be restored to the group storage.

Delete

1. Right click on the folder(s) or file(s) you wish to move to the trash and select **Delete**. You may also click on the folder or file and choose the **Delete** button on your keyboard.

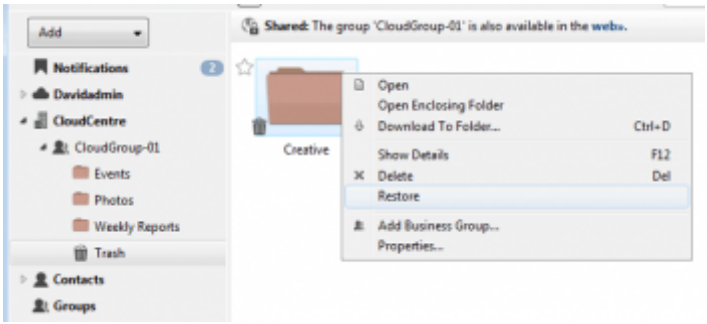


2. A prompt will ask you to confirm the action before moving the folder(s)/file(s).
3. If you wish to permanently remove data in the trash, right click on the trash icon to select **Empty Trash**. Click **Yes** at the prompt to confirm.

Restore

To remove folders or files in the trash:

1. Click twice on the trash icon to reveal its contents.
2. Right click on the folder or file you wish to keep and select **Restore**. The folder or file will be returned to its original location on the group storage.



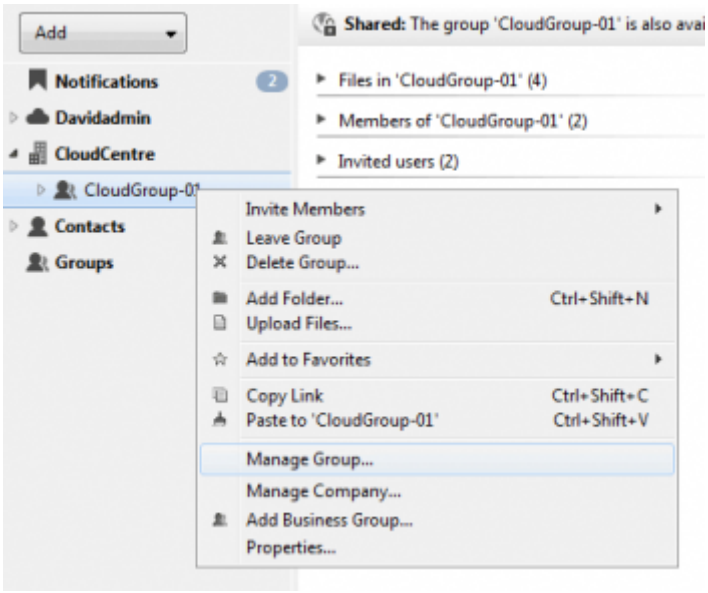
SHARE GROUPS OR FOLDERS USING SECRET WEBLINKS

Wuala offers a simple and secure way to share files with others. Follow the directions below to send secure weblinks to folders and files to clients, colleagues, friends, and family.

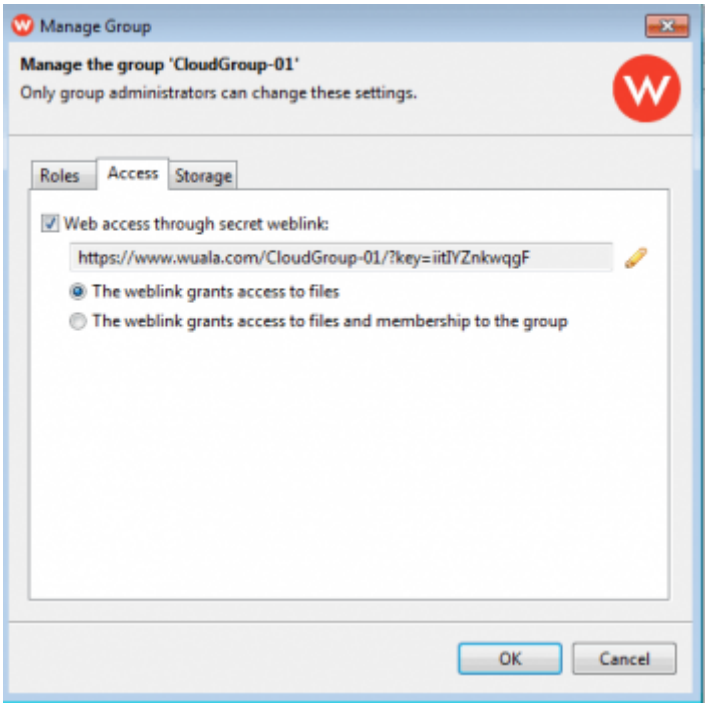
Share a Business Group

You can share the entire contents of a Business Group via a secure weblink.

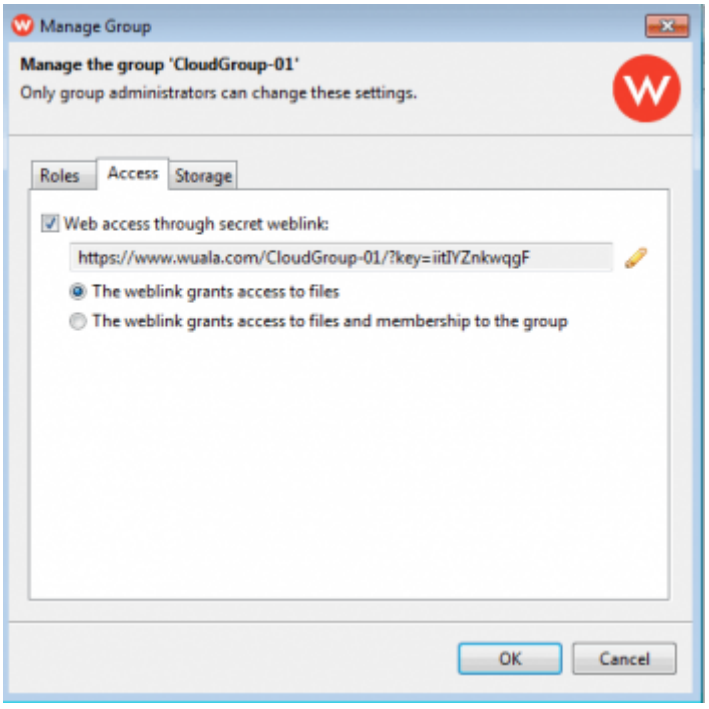
1. Right click on the group and select **Manage Group...**.



2. Choose the **Access** tab then click on the radio button next to *The weblink grants access to files*.



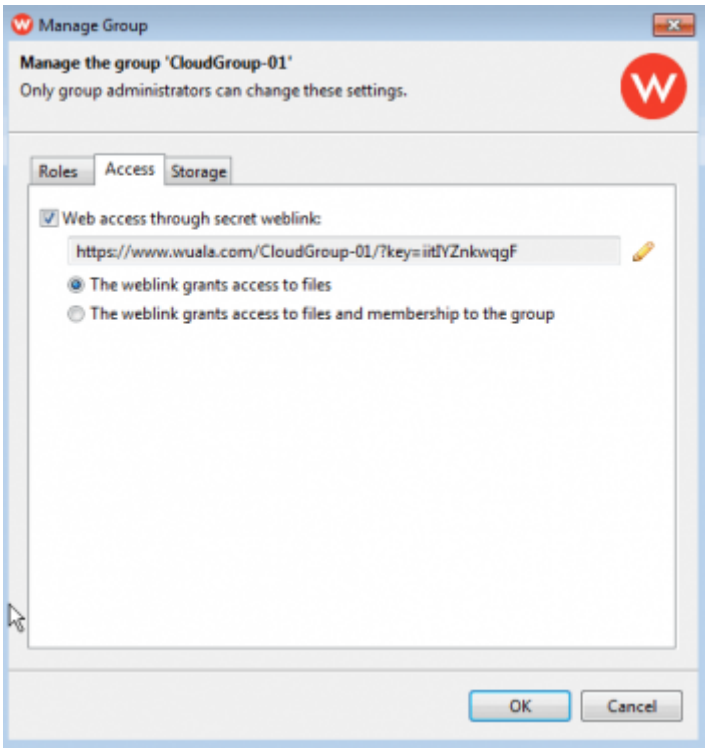
3. Click **OK** to close the window and confirm weblink sharing.
4. Right click on the Business Group to select **Copy Link** then paste it to an email meant for your recipients. Please note that the recipients will have access to all contents within the Business Group.



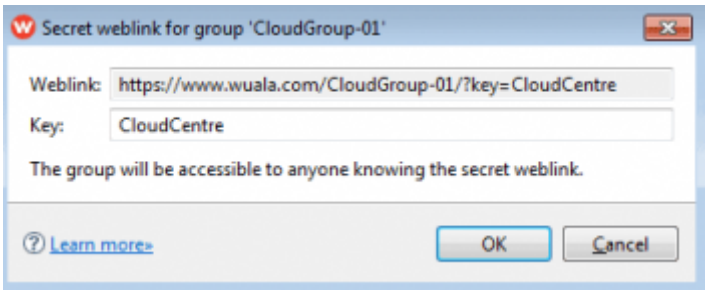
Customizing the Business Group Weblink

You can personalize or revise the weblink to suit your needs.

1. Right click on the Business Group to select **Manage Group > Access**.
2. Enable the weblink then click on the pencil icon.



3. Enter the new weblink reference in the **Key** field. Wuala suggests making it as brief as possible. The text will appear at the end of the weblink.

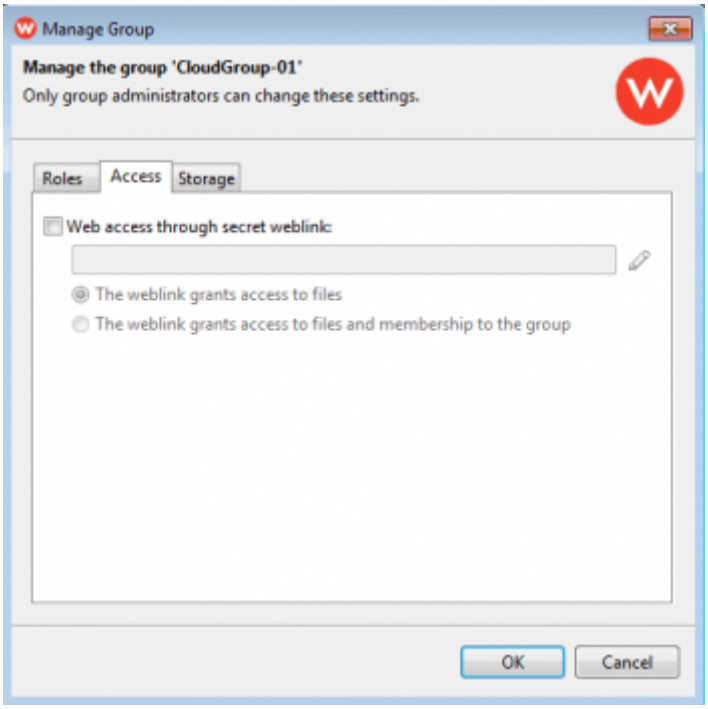


4. Click **OK** to accept the new weblink.
5. Click **OK** to close the window and confirm weblink sharing.

Prohibit Sharing

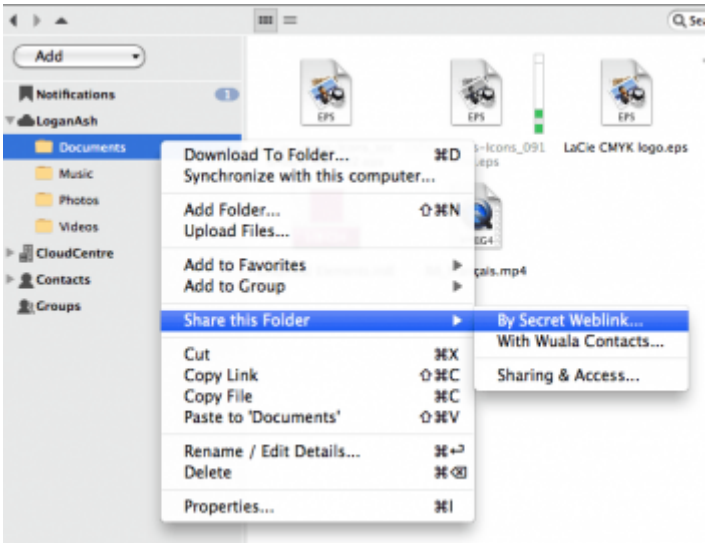
In certain cases, the administrator may decide that sharing data with people outside of the group is unnecessary or unwanted. Follow the directions below to prevent members of the group to share via weblink.

1. Right click on the Business Group to select **Manage Group... > Access**.
2. Deselect the check box next to *The weblink grants access to files* then click **OK** to confirm that you no longer wish to share the Business Group with non-members.

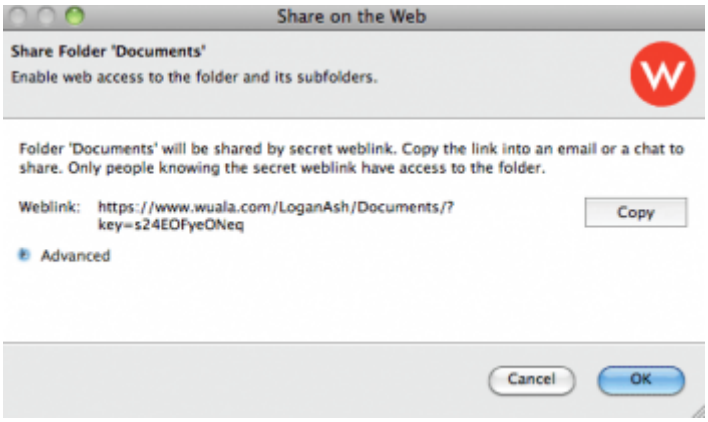


Share Folders - Personal Storage

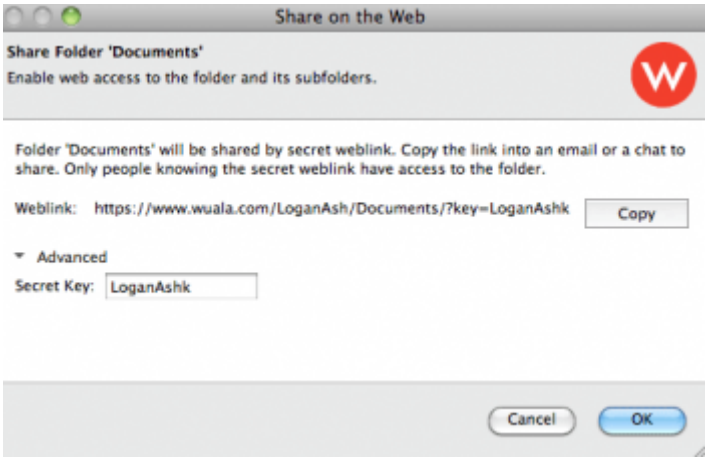
1. Right click on the folder to select **Share this Folder > By Secret Weblink**.



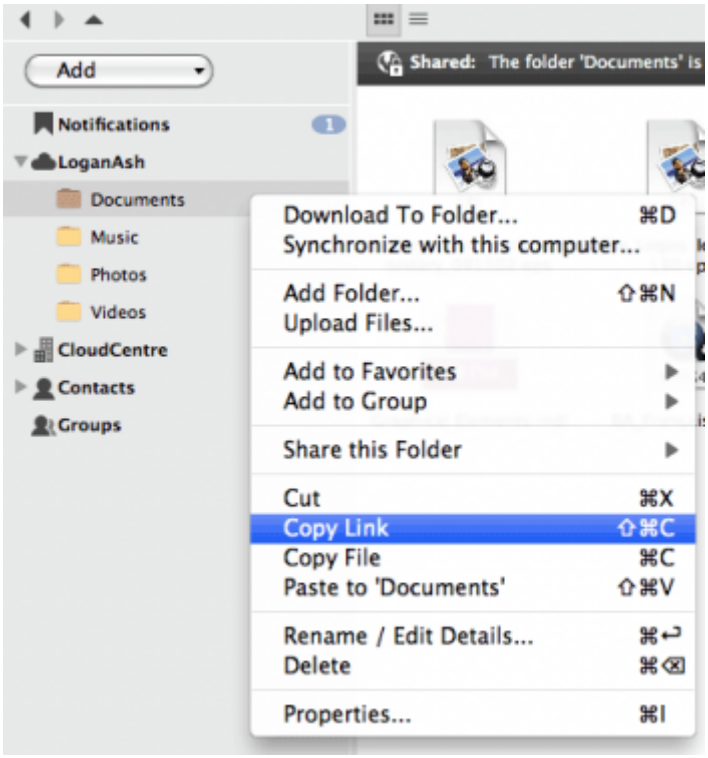
2. A prompt will present you with the link to copy. If the link meets your needs, you can click **OK** to confirm weblink sharing. See the next step if you prefer to personalize the weblink.


Share on the Web
Share Folder 'Documents'
Enable web access to the folder and its subfolders.
Folder 'Documents' will be shared by secret weblink. Copy the link into an email or a chat to share. Only people knowing the secret weblink have access to the folder.
Weblink: https://www.wuala.com/LoganAsh/Documents/?key=s24EOFyeONeq
Copy
Advanced
Cancel
OK

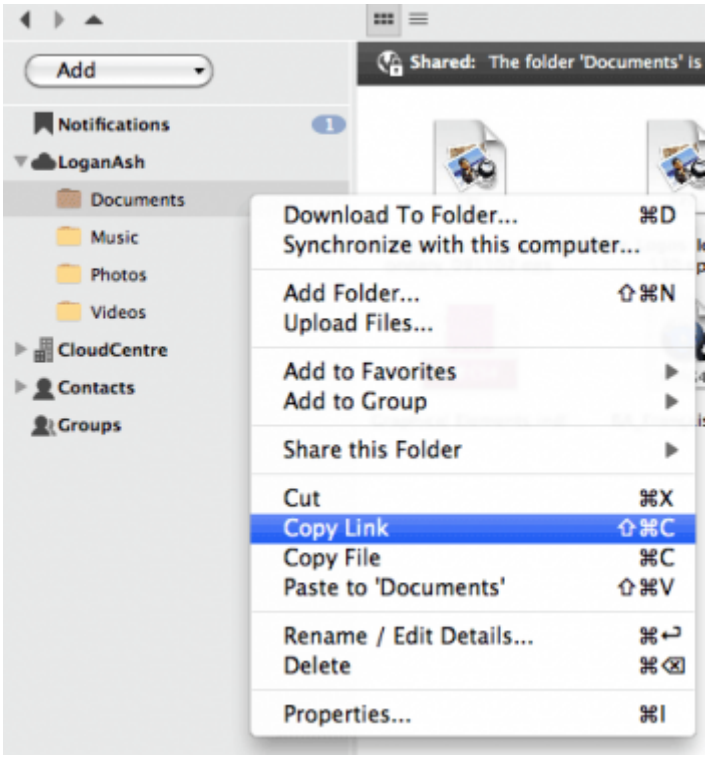
3. (Skip this step if you do not wish to personalize the weblink). Click on **Advanced** to reveal the *Secret Key*. Enter the new weblink reference in the **Key** field. Wuala suggests making it as brief as possible. The text will appear at the end of the weblink. Click **OK** to confirm weblink sharing.


Share on the Web
Share Folder 'Documents'
Enable web access to the folder and its subfolders.
Folder 'Documents' will be shared by secret weblink. Copy the link into an email or a chat to share. Only people knowing the secret weblink have access to the folder.
Weblink: https://www.wuala.com/LoganAsh/Documents/?key=LoganAshk
Copy
Advanced
Secret Key: LoganAshk
Cancel
OK

4. Right click on the folder to select **Copy Link**.



5. Paste the weblink to an email meant for people who will share the folder.
6. The recipients of the email can click on the link to download files via their web browser.


Add
Shared: The folder 'Documents' is
Notifications
1
LoganAsh
Documents
Music
Photos
Videos
CloudCentre
Contacts
Groups
Download To Folder... ⌘D
Synchronize with this computer...
Add Folder... ⇧⌘N
Upload Files...
Add to Favorites
Add to Group
Share this Folder
Cut ⌘X
Copy Link ⇧⌘C
Copy File ⌘C
Paste to 'Documents' ⇧⌘V
Rename / Edit Details... ⌘↩
Delete ⌘⌫
Properties... ⌘I

WUALA CONTACTS

Add Wuala users to your Contact list.

Step 1: Adding a Contact

1. Open your Wuala account to select **Tools > Find Contacts...**
2. In the *Find Contacts* window, type the name of the user you want to add as a contact then click **Search**. You may need to ask the contact for his Wuala username.

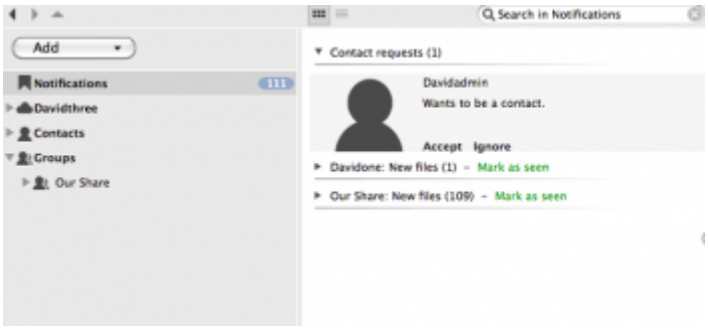
3. If the search result is correct, check the box next to the user name and click **Add to contacts**.

4. A prompt will let you know that the contact has been sent a message indicating that you wish to add him to your list. Click **Close**.

Step 2: Contact Accepts Invitation

Your contact will receive a prompt in **Notifications** indicating that you wish to add him as a contact. He should:

1. Open his Wuala storage and click **Notifications** on the left of the window.
2. He will see the request to be added as a contact. Click **Accept**.

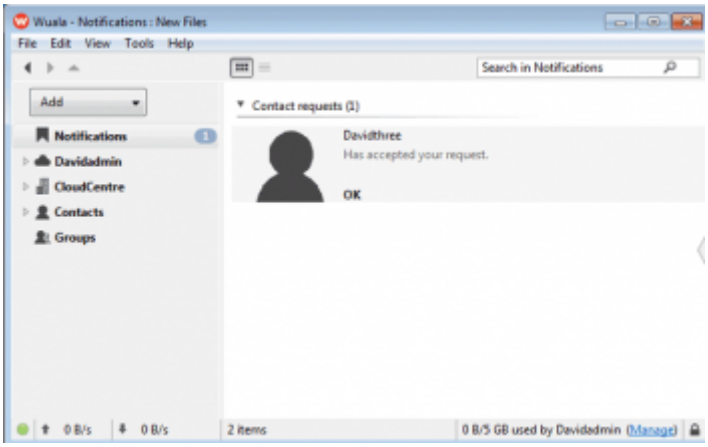


3. By accepting, he will also add you to his list of contacts.

Step 3: Confirm Contact

You will receive a confirmation that the contact was successfully added to your list.

1. Click **OK** once you have read the message.



2. Your coworker is now on your contact list.

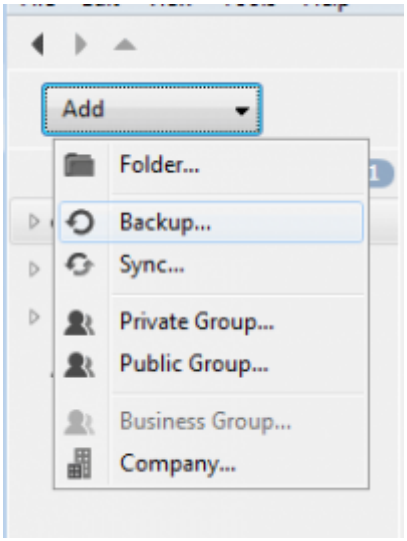
BACKUP

You may back up data from your computer's internal hard to your Wuala personal storage. Wuala highly recommends that you do not back up data from an external or network hard drive as it could delete files.

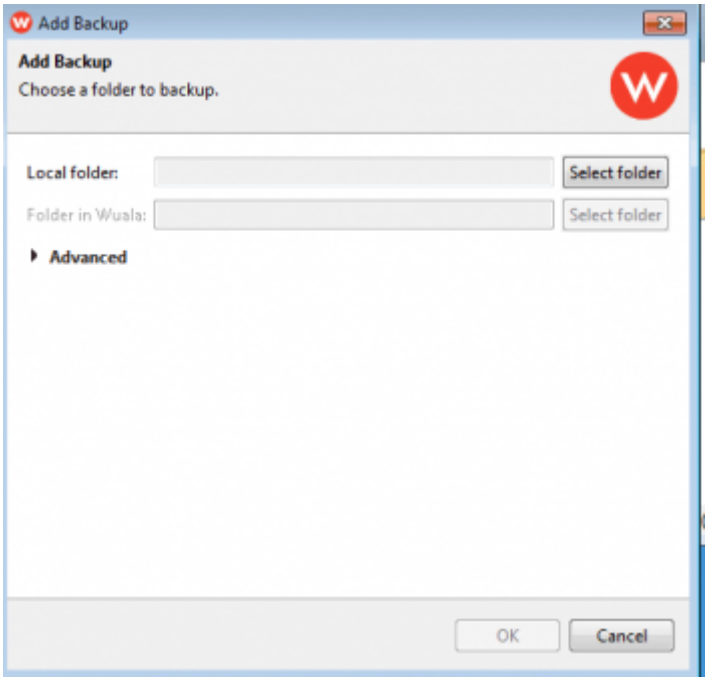
Important info: Please note that members of a Business Group cannot backup data to the Company storage.

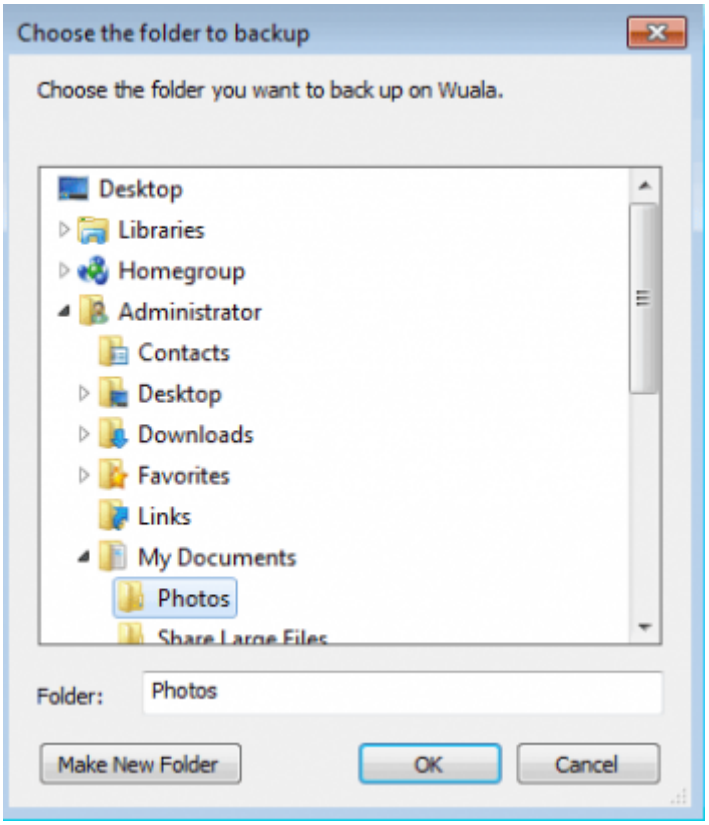
Backup Setup

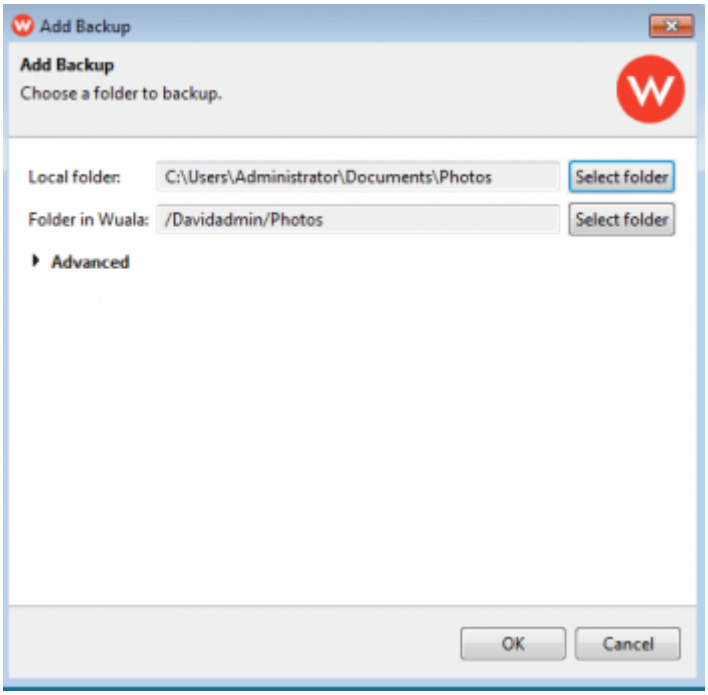
1. Click on **Add** to select **Backup...**



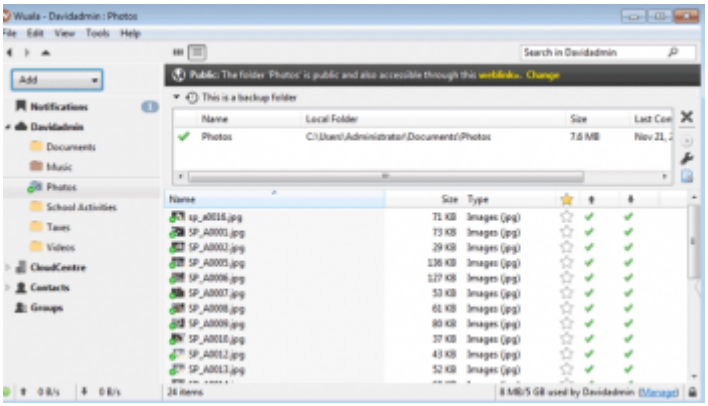
2. Browse to the folder you wish to backup to Wuala. Note that clicking on the arrow next to *Advanced* opens additional options to exclude certain files from the backup.

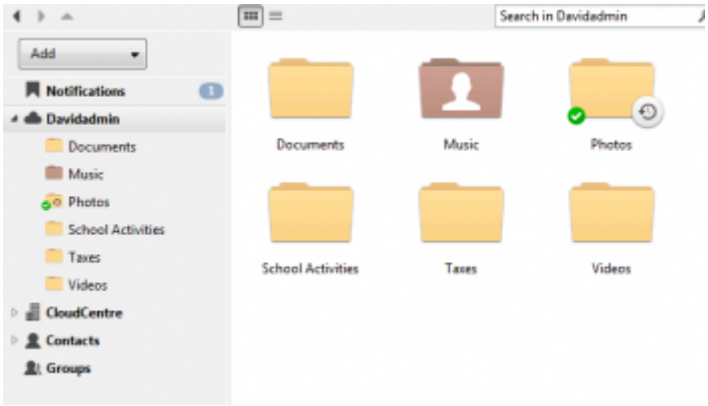

Add Backup
Add Backup
Choose a folder to backup.
Local folder:
Select folder
Folder in Wuala:
Select folder
Advanced
OK
Cancel


Choose the folder to backup
Choose the folder you want to back up on Wuala.
Desktop
Libraries
Homegroup
Administrator
Contacts
Desktop
Downloads
Favorites
Links
My Documents
Photos
Folder:
Photos
Make New Folder
OK
Cancel



3. Wuala will begin the backup. Note that folders marked for Wuala backup include the clock and circular arrow icon.

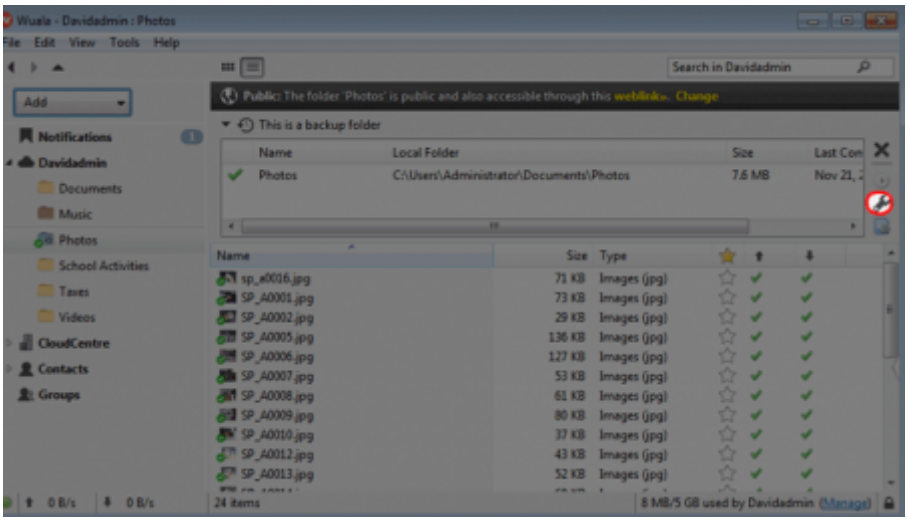




Manage Backup

To adjust the backup settings:

1. Click on the backup folder to choose the wrench icon.



2. The *Backup Settings* window allows you to change the backup interval as well as filter files.

Note: Selecting the minus symbol will delete the backup. Provided that the user has not deleted them, the original files will remain intact on their source storage.

SYNC

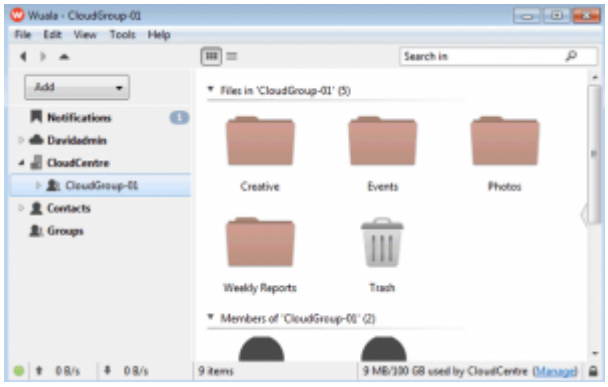
Members of a business team and single users can have the latest versions of important documents on all their computers:

- **Business Storage:** A member of the team creates a Wuala Sync folder called *Daily Action Plans* on his computer. Each member of the same Business Group adds *Daily Action Plans* to their computers to receive automatic updates and to add documents that they have created.
- **Personal Storage:** A Wuala user can create a Sync folder called *Legal Briefs* on her computer. To access the same files in the office, she will log on to Wuala to add *Legal Briefs* on her work computer. Since Wuala will upload/download the most recent content automatically to all Sync folders, she can leave the work laptop in the office.

You may synchronize data from your computer's internal hard to Wuala storage. Wuala highly recommends that you do not synchronize data from an external or network hard drive as it could delete files.

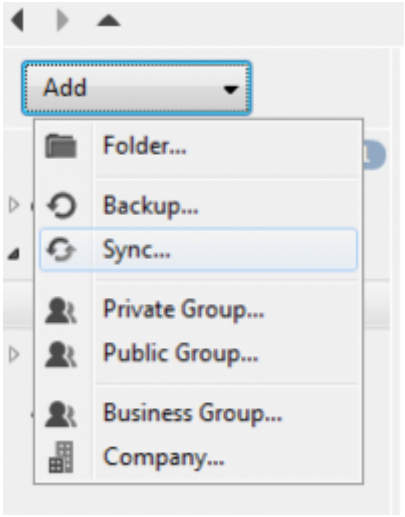
Create a Sync Folder

Sync folders and Wuala Business Users: Please make certain to highlight the applicable Wuala storage before creating a Sync folder. For example, if the Sync folder is for personal use, select your personal storage. If the Sync folder is for collaboration within your Company, select your Business Group.

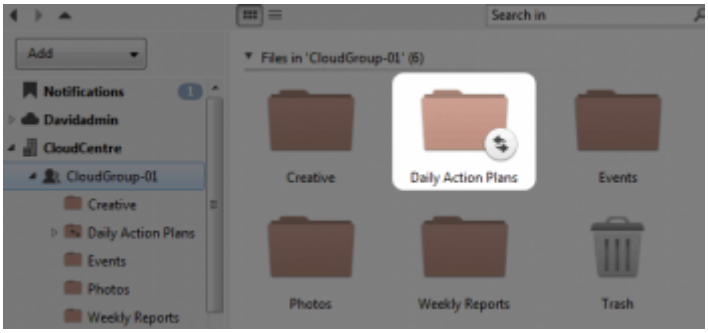


Highlight the applicable Wuala storage for your Sync folder

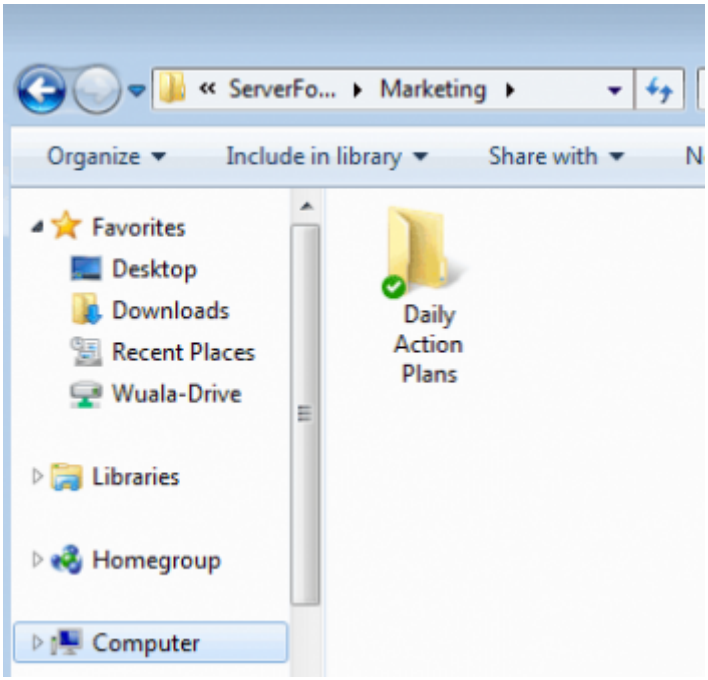
1. Click on **Add > Sync...**



2. Browse to the folder on your computer that you wish to sync. Note that clicking on the arrow next to *Advanced* opens additional options to exclude certain files from the sync.
3. The sync folder has been added to the Wuala storage.

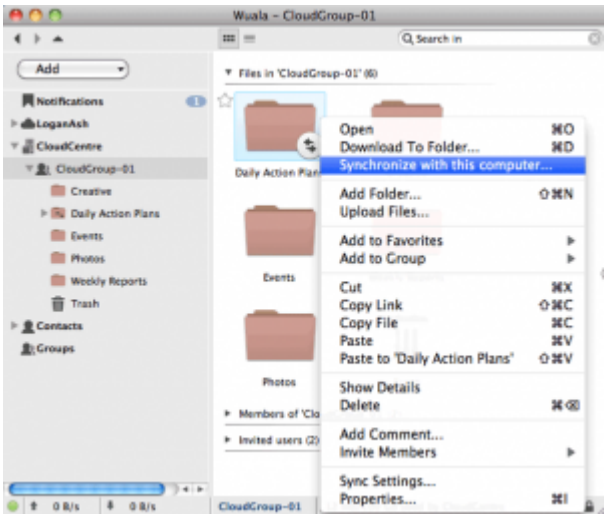


4. A check mark on the folder stored on on the source storage indicates that it is being synchronized with the Wuala storage.

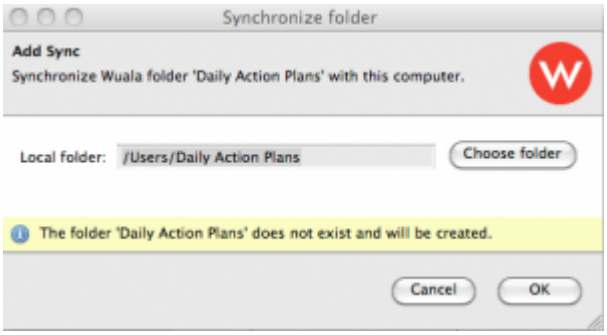


Sync the folder on additional computers

1. Log on to Wuala to choose the storage that hosts the folder you wish to Sync (personal or business storage).
2. Right click on Sync folder to select **Synchronize with this computer...**



3. Note the location for the local sync folder on your computer then click **OK**.

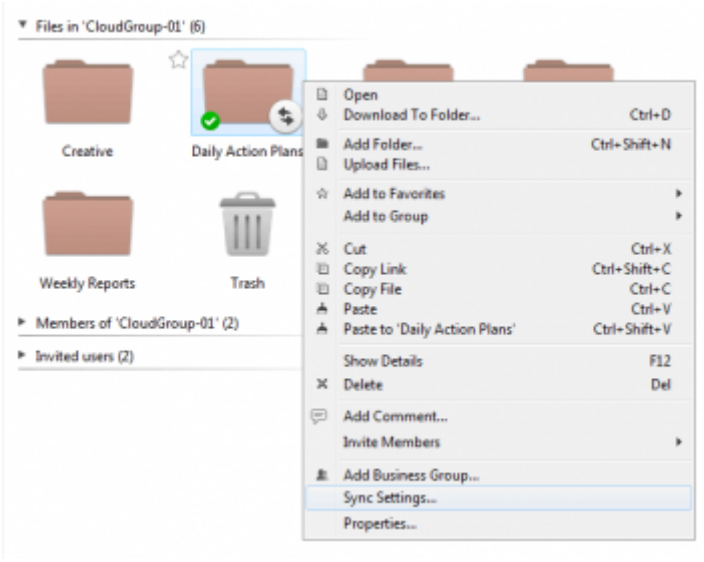


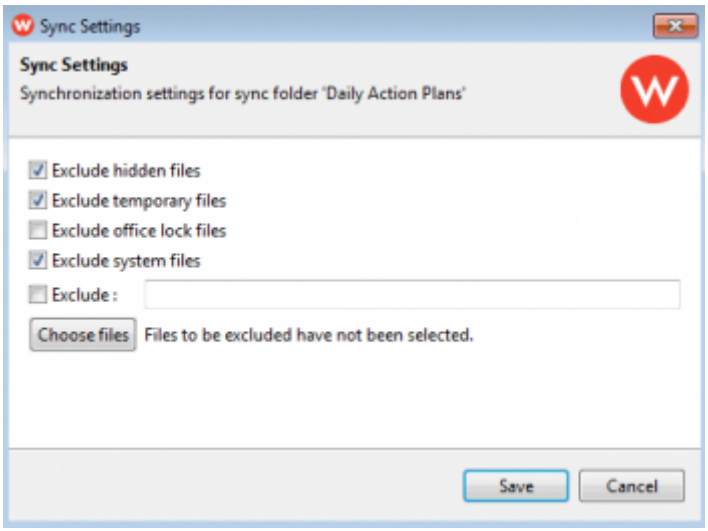
4. The folder is now synchronized with the computer. Repeat the steps for each new computer.

Important info on Sync Folder Displacement: Wuala recommends using the default location on your local computer for the Sync folder. Choosing an alternative folder will adjust the name of the Sync folder. Additionally, the contents of the Wuala Sync folder will be mixed with the files in the existing folder on your computer. To prepare a new location, you can create a folder with the same name as the Wuala Sync folder. For example, create a folder called *Daily Action Plans* on your Desktop before attempting to add the Sync folder.

Managing the Sync Folder

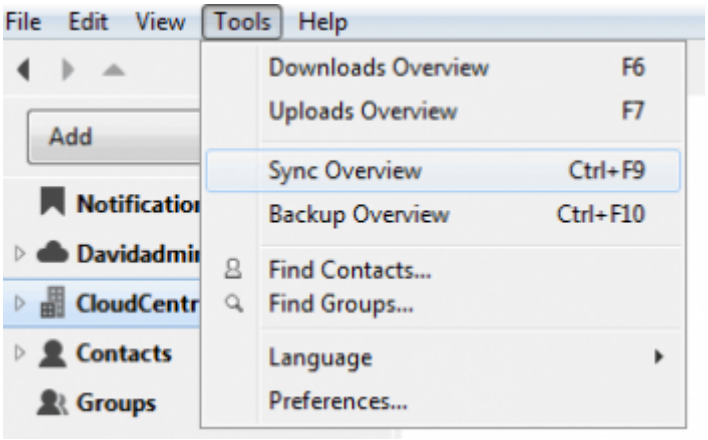
- Adjust the file types you wish to Sync by right clicking on the folder to select **Sync Settings...**





Choose files to exclude from Sync

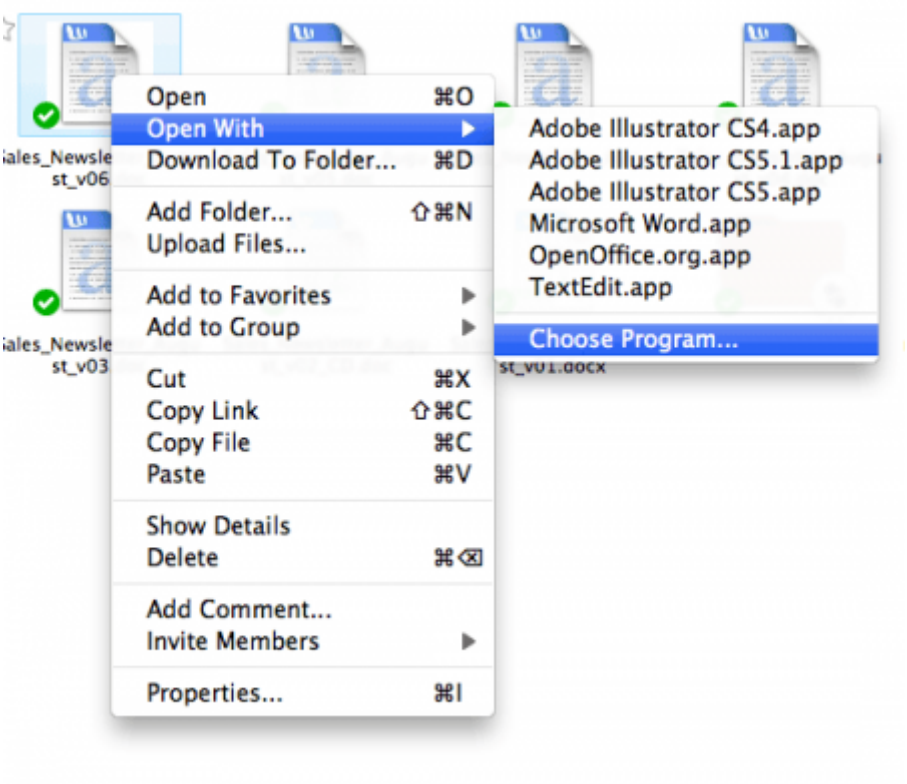
- Review the number of computers that have synchronized with the folder by selecting **Tools > Sync Overview**. You can also adjust settings within the Sync folder.



EDIT FILES

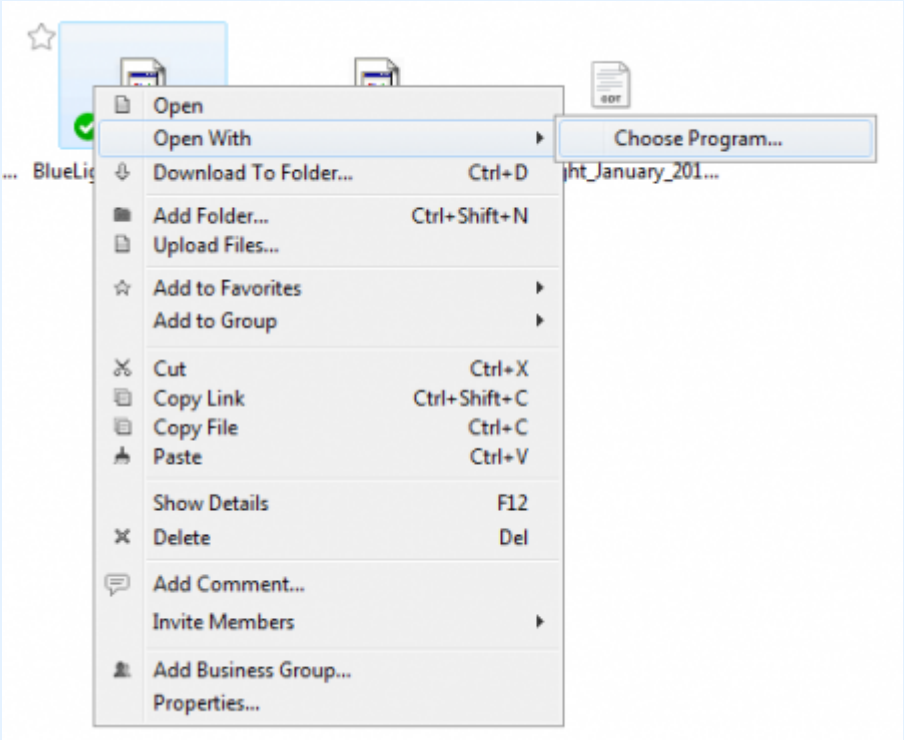
Wuala can be used as the primary storage for your documents. Open and edit files within Wuala to reduce frequent copying and pasting of data. By editing documents within Wuala, you can take advantage of Versioning.

1. Log into your Wuala account to find the file you wish to open. Right click on it and Wuala will present the compatible applications on your computer.



2. Choose the application to open the file. You can work on the file and all revisions will be saved on Wuala.

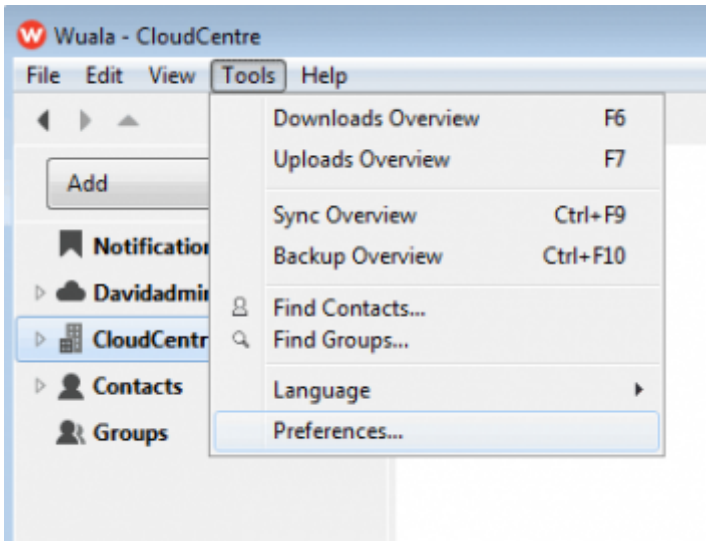
Note on available applications: Wuala empowers you to work on documents from the group storage. Please note that the native application or a compatible program must be available on your local computer. If Wuala cannot find a compatible program, you will be prompted to **Choose Program...**



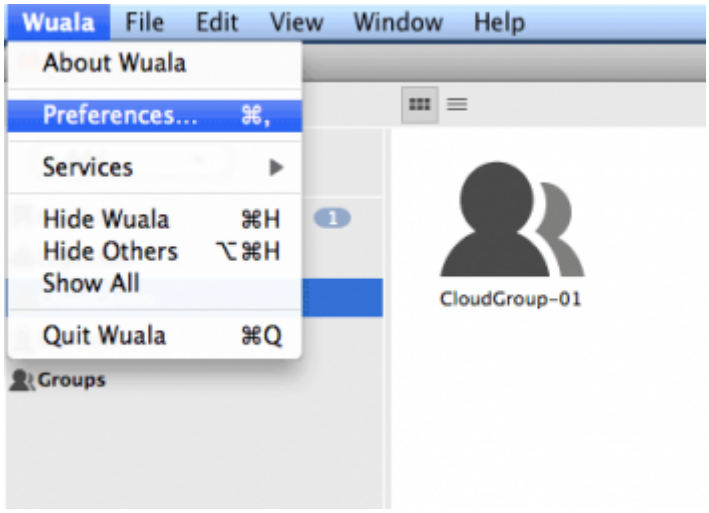
File System Integration

File system integration must be turned on to edit files within Wuala. Please note that it is enabled by default.

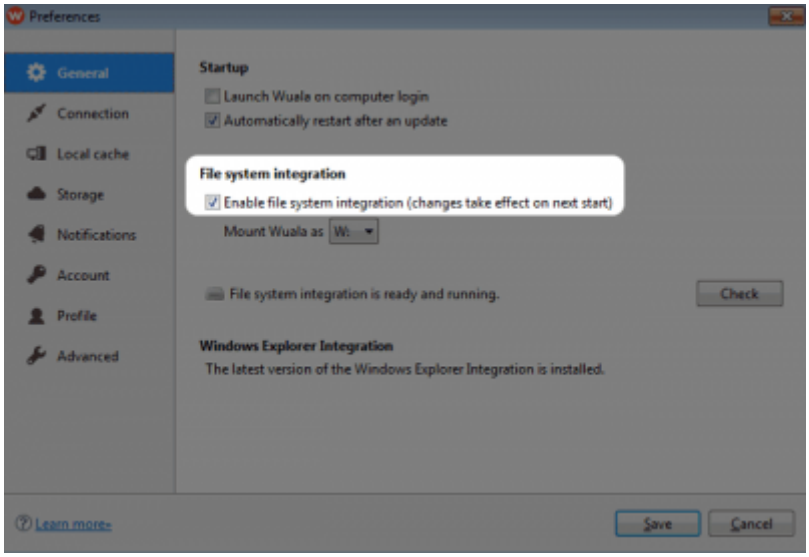
- Windows: **Tools > Preferences...**



- Mac: **Wuala > Preferences...**



- Select **General** to make certain that System Integration is enabled.


Preferences
General
Connection
Local cache
Storage
Notifications
Account
Profile
Advanced
Startup
Launch Wuala on computer login
Automatically restart after an update
File system integration
Enable file system integration (changes take effect on next start)
Mount Wuala as
File system integration is ready and running.
Check
Windows Explorer Integration
The latest version of the Windows Explorer Integration is installed.
Learn more
Save
Cancel

VERSIONING

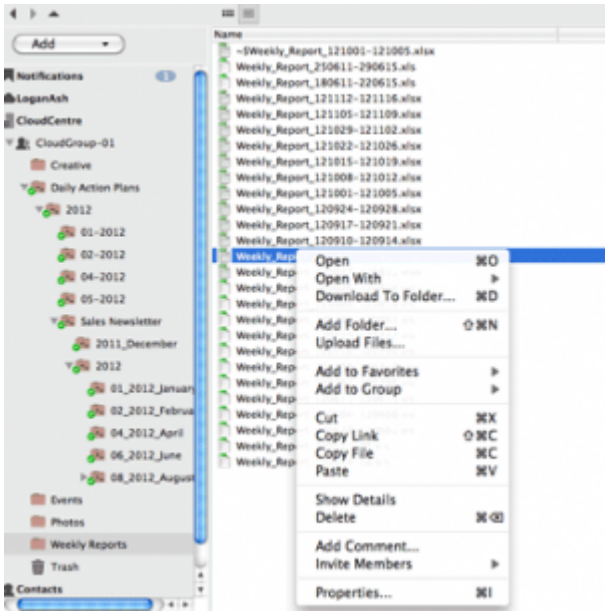
When working within Wuala, Versioning will keep up to 10 versions of a document. In cases when documents are accidentally revised or edited, users can rest assured that an earlier version is available.

Versioning will keep 10 versions of a document if it falls within one of the two conditions below:

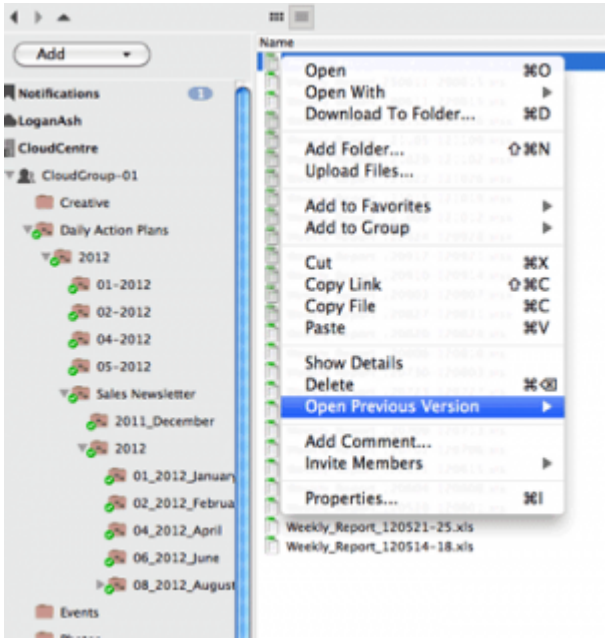
- Edited within Wuala.
- Edited within a folder marked for Wuala Sync.

Accessing Versioning

Below is an example of a file that has not been edited within Wuala and does not have earlier versions. Right clicking on the file does not reveal an option to access an earlier version.



Documents that have been edited within Wuala will give you the option to access an earlier version.

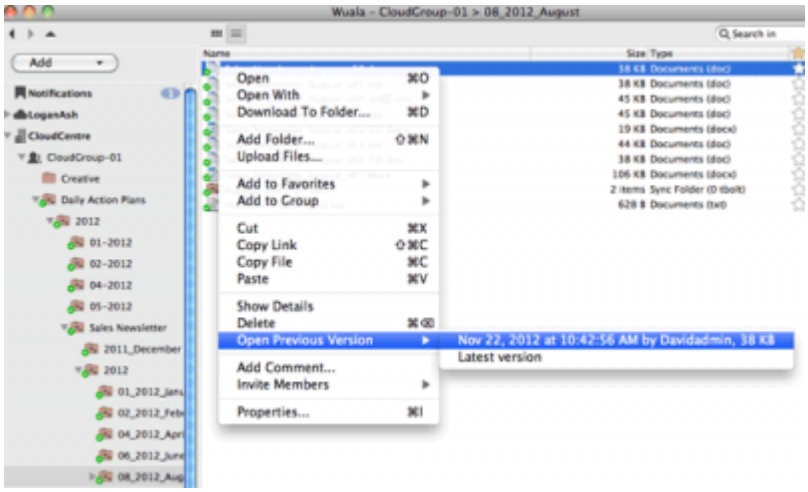


Versioning and Sync

Wuala versioning and sync work together to make certain that:

- The last ten versions of edited documents can be accessed for easy reference.
- Important company data within the group is up to date on everyone's computer.

Versioning requires that documents are opened and edited within Wuala. With Sync, files kept on a local sync folder are also stored and updated to its Wuala folder. Therefore, users are free to edit a document from their local sync folder knowing that the last 10 versions will be available on the equivalent Wuala sync folder. See the screenshot below as an example:



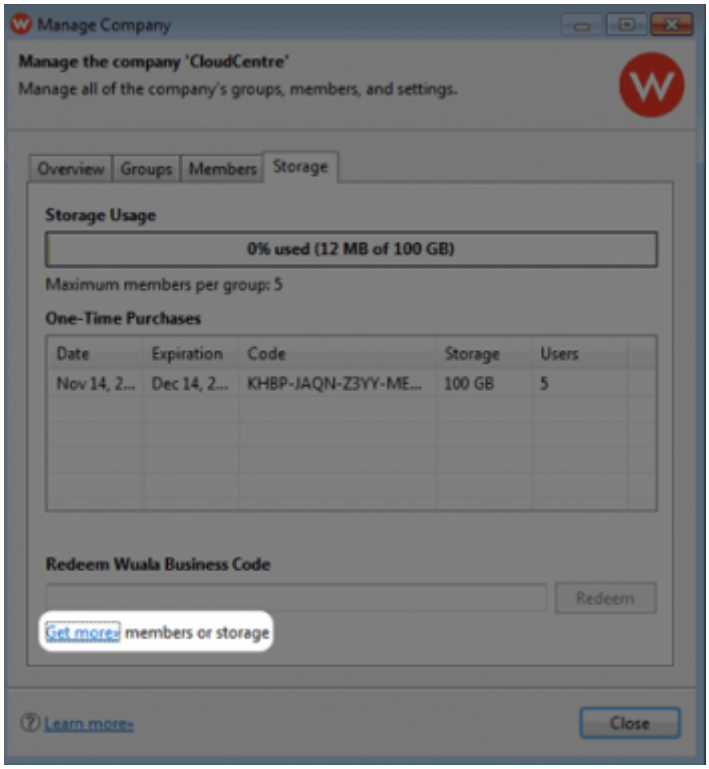
The file has been revised and earlier versions are available on Wuala

MULTIPLE BUSINESS GROUPS

A single Wuala Business Code allows administrators to create up to five groups on Wuala. Each group can have up to five users.

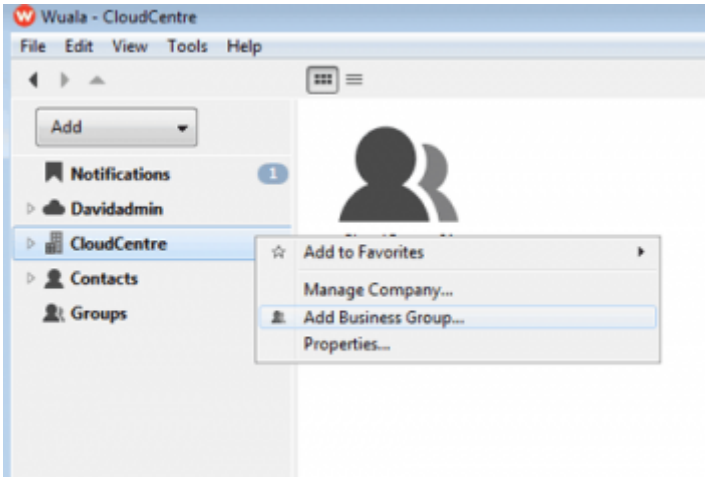
Please note that:

- The administrator always counts as one of the users.
- Each new user invited to a Business Group counts as one of the five, even if that user is already a member of another Business Group.
- The 100GB will be shared by all Groups within Company storage.
- Additional storage and users per group may be added to a Wuala Business Code at any time by clicking on the **Manage** link on the bottom right of the Wuala window. You will be directed to a link in the **Manage > Storage**. Click on **Get More** to be directed to Buy Wuala Business.

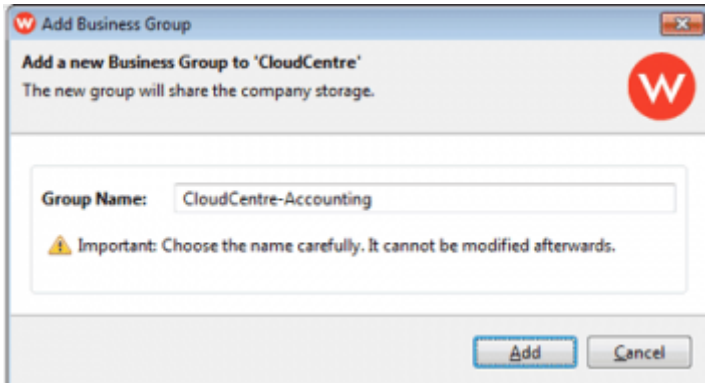


Adding one or more groups

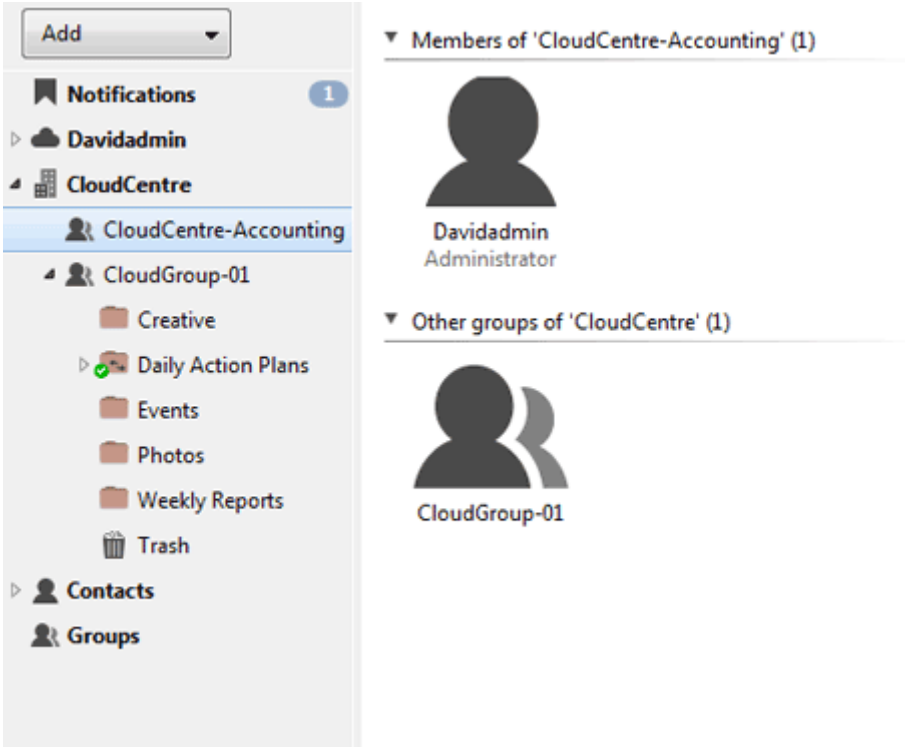
1. Right click on your Company name to select **Add Business Group...**



2. In the *Add Business Group* window, enter the name of the new Group then click **Add**.


Add Business Group
Add a new Business Group to 'CloudCentre'
The new group will share the company storage.
Group Name:
CloudCentre-Accounting
Important: Choose the name carefully. It cannot be modified afterwards.
Add
Cancel

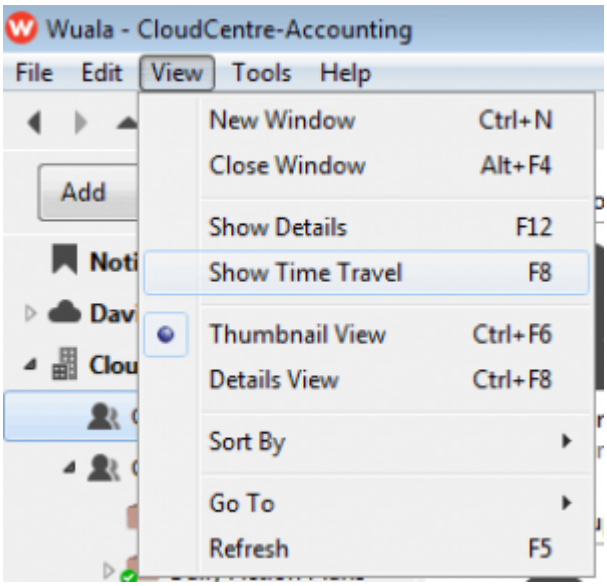
3. The new group is ready to use. Invite members just as you did for the first group.


Add
Notifications
1
Davidadmin
CloudCentre
CloudCentre-Accounting
CloudGroup-01
Creative
Daily Action Plans
Events
Photos
Weekly Reports
Trash
Contacts
Groups
Members of 'CloudCentre-Accounting' (1)
Davidadmin
Administrator
Other groups of 'CloudCentre' (1)
CloudGroup-01

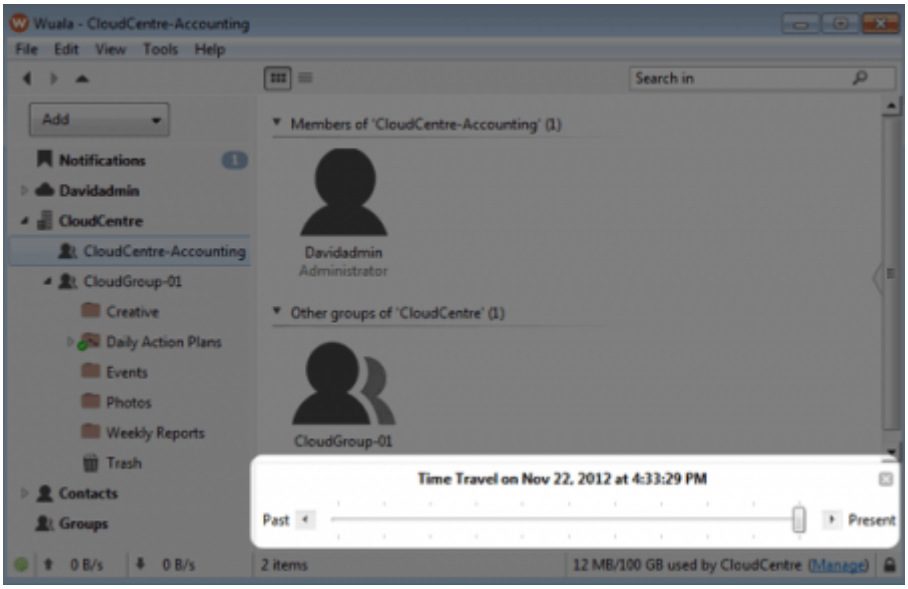
TIME TRAVEL

Wuala gives you the option to move back in time to view folders and files as they looked days or weeks before. To use Time Travel:

1. Reveal the slider by going to **View > Show Time Travel**.



2. Move the slider to the left to go back in time.



LEGAL INFO

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CHANGES

The material in this document is for information only and subject to change without notice. While reasonable efforts have been made in the preparation of this document to assure its accuracy, LaCie assumes no liability resulting from errors or omissions in this document, or from the use of the information contained herein. LaCie reserves the right to make changes or revisions in the product design or the product manual without reservation and without obligation to notify any person of such revisions and changes.

FEDERAL COMMUNICATION COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Important info: FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

WEEE

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designed collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service, or the shop where you purchased the product.

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LICENCES AND FREE SOFTWARE

Your LaCie product ships with copyrighted software that are licensed under the GPL, AFL, Apache, Apple, BSD, GNU LGPL, MIT, OpenLDAP, OpenSSL, PHP, Python, and Creative Common. It also includes free software, the source code for which can be downloaded from the LaCie website: www.lacie.com/support/

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This list of licenses can evolve over time and can be found on the user interface under the heading "Credits."

CANADA COMPLIANCE STATEMENT

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

JAPAN COMPLIANCE STATEMENT

This is a Class A product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio/TV receiver, it may cause radio interference. Install the equipment according to the manual.

MANUFACTURER'S DECLARATION FOR CE CERTIFICATION

We, LaCie, solemnly declare that this product conforms to the following European standards: Electromagnetic Compatibility Directive (2004/108/EC); Low-Voltage Directive: 2006/95/EC

PRECAUTIONS

Caution: It is essential that you use only the power supply that shipped with your product, since it is a shielded-type power cord that meets FCC emission limits as well as to prevent interference to the nearby radio and television reception.

Caution: Modifications not authorized by the manufacturer may void the user's authority to operate this device.

Important info: Any loss, corruption or destruction of data while using a LaCie drive is the sole responsibility of the user, and under no circumstances will LaCie be held liable for the recovery or restoration of this data. To help prevent the loss of your data, LaCie highly recommends that you keep TWO copies of your data; one copy on your external hard disk, for instance, and a second copy either on your internal hard disk, another external hard disk or some other form of removable storage media. If you would like more information on backup, please refer to our website.

Important info: 1TB (Terabyte) = 1,000GB. 1GB = 1000MB. 1MB = 1,000,000 Bytes. Total accessible capacity varies depending upon operating environment (typically up to 10% less per TB).

HEALTH AND SAFETY PRECAUTIONS

- Only qualified persons are authorized to carry out maintenance on this device.
- Read this User Manual carefully and follow the correct procedure when setting up the device.
- Do not open a disk drive or attempt to disassemble or modify it. Never insert any metallic object into the drive to avoid any risk of electrical shock, fire, short-circuiting or dangerous emissions. The disk drives shipped with your LaCie device contain no user-serviceable parts. If it appears to be malfunctioning, have it inspected by a qualified LaCie Technical Support representative.
- Never expose your device to rain, or use it near water, or in damp or wet conditions. Never place objects containing liquids on the LaCie device, as they may spill into its openings. Doing so increases the risk of electrical shock, short-circuiting, fire or personal injury.
- Make sure that the computer and LaCie device are electrically grounded. If the devices are not grounded, there is an increased risk of electrical shock.

GENERAL USE PRECAUTIONS

- Power requirements 100-240 V~, 50-60 Hz, (supply voltage fluctuations not exceeding ± 10% of the nominal and transient over-voltages according to over-voltage category II).
- Do not expose the LaCie device to temperatures outside the range of 5º C to 30º C (41º F to 86º F); or to operational humidity beyond 10-80%, non-condensing, or non-operating humidity beyond 10-90%, non-condensing. Doing so may damage the LaCie device or disfigure its casing. Avoid placing your LaCie device near a source of heat or exposing it to sunlight (even through a window). Inversely, placing your LaCie device in an environment that is too cold may damage the unit.
- Rated cooling for altitudes up to 2000 meters.
- If your drive features a power cable, always unplug it from the electrical outlet if there is a risk of lightning or if it will be unused for an extended period of time. Otherwise, there is an increased risk of electrical shock, short-circuiting or fire.
- Use only the power supply shipped with the device (if applicable).
- Do not use the LaCie device near other electrical appliances such as televisions, radios or speakers. Doing so may cause interference which will adversely affect the operation of the other products.
- Do not place the LaCie device near sources of magnetic interference, such as computer displays, televisions or speakers. Magnetic interference can affect the operation and stability of your LaCie device.
- Never use excessive force on your LaCie device. If you detect a problem, consult the troubleshooting section in this manual.
- Protect your LaCie device from excessive exposure to dust during use or storage. Dust can build up inside the device, increasing the risk of damage or malfunction.
- Never use benzene, paint thinners, detergent or other chemical products to clean the outside of the LaCie device. Such products will disfigure and discolor the casing. Instead, use a soft, dry cloth to wipe the device.

WARRANTY INFORMATION

LaCie offers first-rate service and support through our generous three-tiered warranty policy. Our 1-, 2-, 3-, and 5-year policies include comprehensive, complimentary web-based resources, expert in-house technical support, and worldwide repair and/or replacement coverage. To benefit from this warranty, please contact LaCie Support at www.lacie.com/us/support where you can find online support and contact information. You may also contact representatives at the original point of purchase who will be able to help guide you.

Standard warranties vary depending on the product. To verify your product's warranty status and to see which standard warranty is included with your product, type in your product's serial number at www.lacie.com/us/support. If no warranty is listed under your product's name, this means that the warranty has expired.

WARRANTY UPGRADES

If you wish to extend your warranty coverage, you can purchase Silver, Gold, or Platinum Care or Advanced Exchange. For details, see www.lacie.com/warranties.

LEGAL INFORMATION

A standard LaCie limited warranty is included with all products. Please read the terms and conditions below.

LaCie Limited Warranty Policy

LaCie ("LaCie") warrants, to the original purchaser, that this equipment shall be free of defects in materials and workmanship for a period of one (1), two (2), three (3), or five (5) years, depending on the model, from LaCie's date of original shipment when the equipment is used normally and is properly serviced when needed. If you discover a defect covered by the warranty set forth above, your sole and exclusive remedy will be for LaCie, in its sole discretion to (i) repair or replace the product at no charge to you; or, if a repaired unit or replacement product is not available, (ii) to refund the current market value of your product. You acknowledge and agree that replacement product, at the sole option of LaCie, may be a new product or a remanufactured product. In order to receive the remedy set forth above, you must return the product during the warranty period and include with each returned product (i) a copy of your original purchase invoice to verify your warranty; (ii) a Return Material Authorization number; (iii) your name, address and telephone number; (iv) a copy of the bill of sale bearing the appropriate LaCie serial numbers as proof of date of original retail purchase; and (v) a description of the problem. The customer must pay all transportation costs for a returned product. The product will need to be returned to LaCie within the country of original retail purchase. This warranty applies only to hardware products; LaCie software, media, and manuals are licensed and warranted pursuant to separate written agreement. This warranty does not apply if the product has been misused or has been damaged by accident, abuse, misuse, or misapplication; if it has been modified without permission of LaCie; or if any LaCie serial number has been removed or defaced. If a customer has purchased a LaCie Advance Care Option (ACO) to go with this equipment, the ACO shall be valid for three (3) years from activation.

EXCEPT FOR THE LIMITED WARRANTY SET FORTH ABOVE, ALL PRODUCTS ARE SOLD “AS IS” AND LACIE EXPRESSLY DISCLAIMS ALL WARRANTIES OF ANY KIND, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, NONINFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE. WITHOUT FURTHER LIMITING THE GENERALITY OF THE FOREGOING, DOES NOT WARRANT (1) THE PERFORMANCE OR RESULTS OBTAINED FROM USING THIS PRODUCT, (2) THAT THE PRODUCT IS APPROPRIATE FOR THE CUSTOMER'S PURPOSES, (3) THE MANUAL IS ERROR FREE, OR (4) THAT NO DATA WILL BE LOST WHILE USING THE PRODUCT. THE ENTIRE RISK AS TO THE RESULTS AND PERFORMANCE IS ASSUMED BY THE CUSTOMER. THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED.

EXCLUSIONS AND LIMITATIONS

This Limited Warranty applies only to hardware products manufactured by or for LaCie that can be identified by the “LaCie” trademark, trade name, or logo affixed to them. The Limited Warranty does not apply to any non-LaCie hardware products or any software, even if packaged or sold with LaCie hardware. Manufacturers, suppliers, or publishers, other than LaCie, may provide their own warranties to the end user purchaser, but LaCie, in so far as permitted by law, provides their products “as is”. Software distributed by LaCie with or without the LaCie brand name (including, but not limited to system software) is not covered under this Limited Warranty. Refer to the licensing agreement accompanying the software for details of your rights with respect to its use.

LaCie does not warrant that the operation of the product will be uninterrupted or error-free. LaCie is not responsible for damage arising from failure to follow instructions relating to the product's use. This warranty does not apply: (a) to consumable parts, unless damage has occurred due to a defect in materials or workmanship; (b) to cosmetic damage, including but not limited to scratches, dents and broken plastic on ports; © to damage caused by use with non-LaCie products; (d) to damage caused by accident, abuse, misuse, flood, fire, earthquake or other external causes; (e) to damage caused by operating the product outside the permitted or intended uses described by LaCie; (f) to damage caused by service (including upgrades and expansions) performed by anyone who is not a representative of LaCie or a LaCie Authorized Service Provider; (g) to a product or part that has been modified to alter functionality or capability without the written permission of LaCie; or (h) if any LaCie serial number on the product has been removed or defaced.

No LaCie dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Any loss, corruption or destruction of data while using a LaCie drive is the sole responsibility of the user, and under no circumstances will LaCie be held liable for the recovery or restoration of this data. To help prevent the loss of your data, LaCie highly recommends that you keep TWO copies of your data; one copy on your external hard disk, for instance, and a second copy either on your internal hard disk, another external hard disk or some other form of removable storage media. LaCie offers a complete line of CD and DVD drives. If you would like more information on backup, please refer to our website.

LACIE IS NOT RESPONSIBLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY, OR UNDER ANY LEGAL THEORY, INCLUDING LOST PROFITS, DOWNTIME, GOODWILL, DAMAGE TO OR REPLACEMENT OF EQUIPMENT AND PROPERTY, AND ANY COSTS OF RECOVERING, REPROGRAMMING, OR REPRODUCING ANY PROGRAM OR DATA STORED IN OR USED WITH LACIE PRODUCTS EVEN IF IT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

Your opening of your package, your use of the product, or your return of the enclosed Registration Card acknowledges that you have read and agree to the terms of this Agreement. You further agree that it is the complete and exclusive state of the agreement between us and supersedes any proposal or prior agreement, oral or written, and any other communications between us relating to the subject matter of this Agreement.

Read carefully all information related to warranty and precautions of use of your new LaCie product in the user manual.

For products purchased in the United States, you may contact LaCie at 22985 NW Evergreen Parkway, Hillsboro, Oregon 97124. Email: sales@lacie.com. Website: www.lacie.com. Customer service: 503-844-4503.

Service DOA

On rare occasions, a newly purchased LaCie product may be delivered in non-working order. We are working to avoid these issues, but unfortunately, these situations may arise from time to time. Within the 15 calendar days of purchase, should you experience an issue with your new LaCie product, we ask you to return the product to the place where it was originally bought. You will be required to give a proof of purchase.

Customer Warning

Please be sure to back up your data before returning your drive to LaCie for repair. LaCie cannot under any circumstances guarantee the integrity of data remaining on a returned drive. We make no provisions for data recovery and cannot be held liable for any data loss on drives or media returned to LaCie.

All products returned to LaCie must be securely packaged in their original box and shipped with postage prepaid, except for Products registered under the Advance Care Option.

NOTE TO AUSTRALIAN CUSTOMERS

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Contact us:

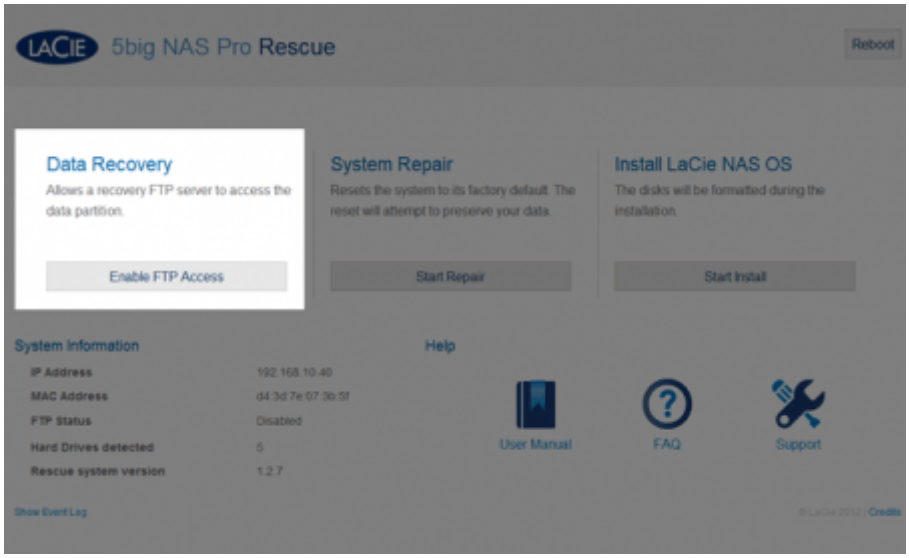
LaCie Australia, 458 Gardeners Road Alexandria, NSW 2015 AUSTRALIA.
Phone: 02 8063 3711
Email: info.au@lacie.com

For fast technical support, create a support ticket after registering your product at www.lacie.com/au/register.

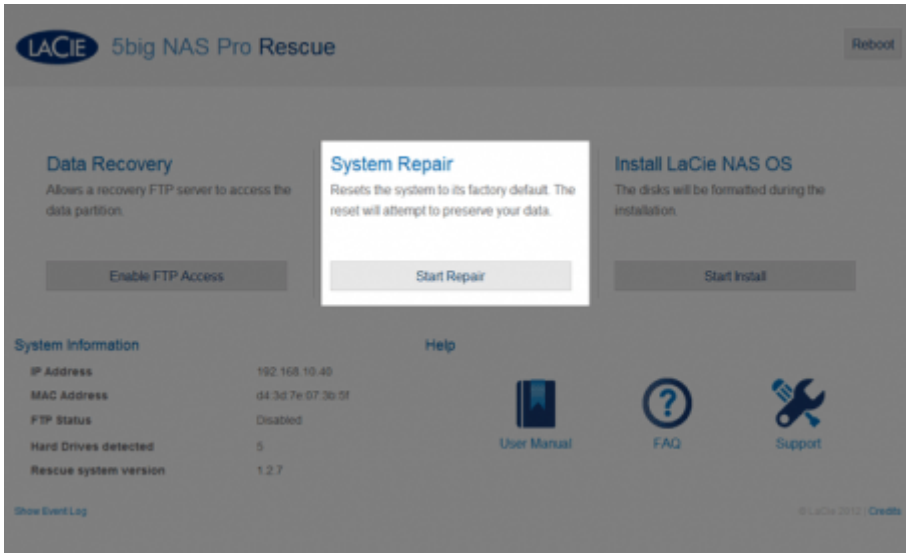
LACIE NAS RESCUE - 5BIG NAS PRO

Your LaCie 5big NAS Pro can help you troubleshoot potential technical problems. Use the included LaCie USB Key as a boot device to launch the LaCie 5big NAS Pro Rescue. The Rescue includes three recovery options:

- **Data Recovery:** Enable FTP Access to the data on your LaCie 5big NAS Pro. Once enabled, you can use FTP client software or a web browser to backup the data stored on your LaCie 5big NAS Pro.

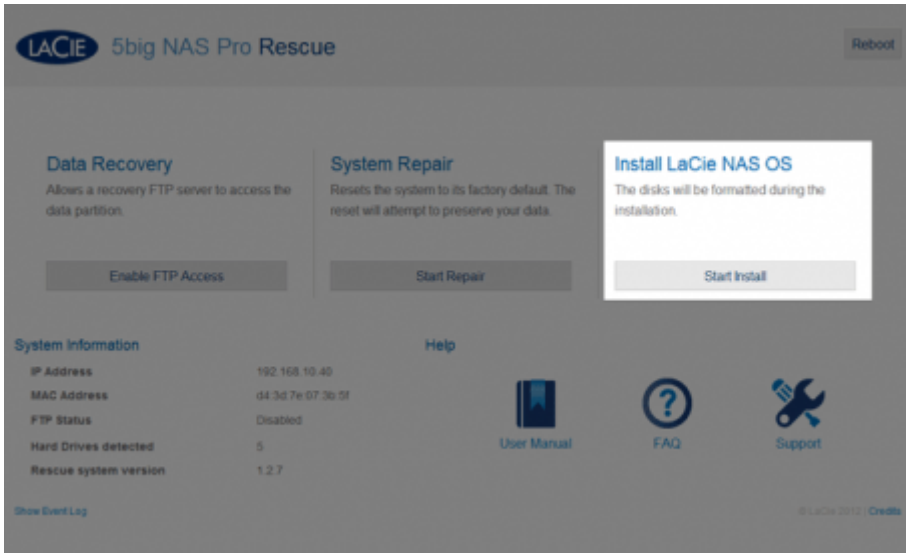


- **System Repair:** The Rescue will reset your LaCie 5big NAS Pro to its factory default while attempting to preserve the shares and data. Please note that LaCie cannot guarantee that all your data will be saved. Factory default includes the reversion of all Dashboard parameters (e.g. Users, General Settings, Network, etc.) to their original states.



- **Install LaCie NAS OS:** The Rescue will format the LaCie 5big NAS Pro hard drives before reinstalling LaCie NAS OS. Since all data will be deleted during the format, LaCie highly recommends that you backup your files

before selecting this option.



PREPARE FOR THE RESCUE

The LaCie 5big NAS Pro Rescue will prompt you to enter:

1. The LaCie 5big NAS Pro IP address
2. The LaCie 5big NAS Pro MAC address (Your LaCie 5big NAS Pro has two MAC addresses, one for each LAN port. You may use either MAC address for the Rescue.)

Both types of address may be found by connecting a VGA cable to your LaCie 5big NAS Pro (see Views of the Product) or by launching LaCie Network Assistant (see lna).

VGA Monitor

While not obligatory, you can connect a compatible monitor to the LaCie 5big NAS Pro before following the Rescue Steps. Doing so will help you confirm that the LaCie 5big NAS Pro boots from the LaCie USB Key to enter Rescue mode. You can also review the device's IP and MAC addresses once it has entered Rescue mode.

Please note that the VGA signal reverts to energy saving mode within a few minutes. If the monitor appears to be receiving a signal but no image is present, please try to connect a USB keyboard to one of the LaCie 5big NAS Pro's USB ports. Tap on one of the keys to view the LaCie 5big NAS Pro VGA signal.

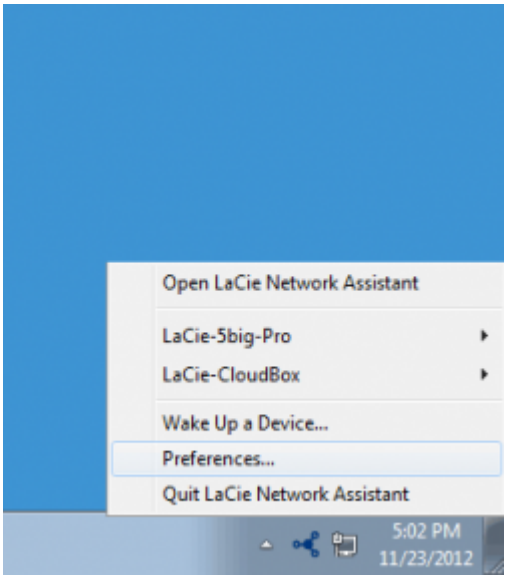
LaCie Network Assistant

If you do not see your LaCie 5big NAS Pro in LaCie Network Assistant, please confirm that your LaCie 5big NAS Pro is:

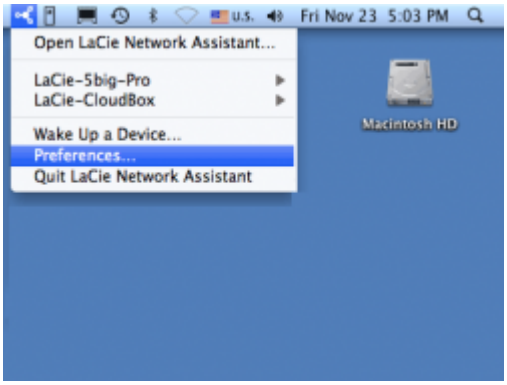
- Connected to the same network as the workstation you are using. In certain configurations, the LaCie 5big NAS Pro is connected to two separate networks (see Port Aggregation: Multiple Networks, Bonding, and Fault Tolerance).
- Connected to the same network as the workstation you are using via the LAN 1 Ethernet port. LaCie Network Assistant requires that the primary Ethernet port for your LaCie 5big NAS Pro is LAN 1.

If you still do not see your device in LaCie Network Assistant, please follow the instructions below:

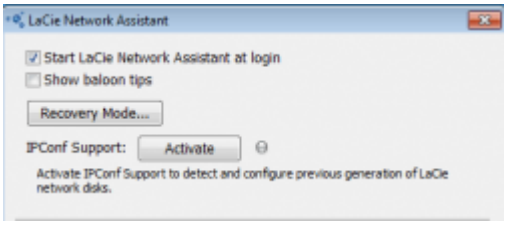
1. Launch LaCie Network Assistant.
2. Select **Preferences...**
    1. Windows: Right click on the LaCie Network Assistant icon in the system tray.



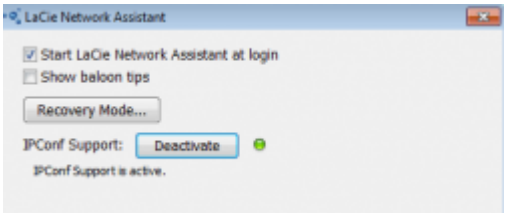
2. Mac: Click on the LaCie Network Assistant icon in the menu.



3. Enable IPConf Support by clicking on **Activate**.


LaCie Network Assistant
Start LaCie Network Assistant at login
Show baloon tips
Recovery Mode...
IPConf Support:
Activate
Activate IPConf Support to detect and configure previous generation of LaCie network disks.

Select Activate to enable IPConf Support



The digital green LED indicates IPConf Support is enabled.

Caution: Recent versions of the LaCie Network Assistant Preferences include the button **Recovery Mode**. This option does not launch the Rescue and is not compatible with the LaCie 5big NAS Pro.

MAC Address Availability: A third option for finding the MAC address is the sticker located on the bottom of your LaCie 5big NAS Pro enclosure. It features two numbers that correspond to **LAN 1** and **LAN 2**. Both numbers represent MAC addresses for your device.

RESCUE STEPS

Step 1: Update the Firmware for the LaCie USB Key and Note the LaCie 5big NAS Pro MAC Address

Your LaCie 5big NAS Pro shipped with a USB flash drive (*LaCie USB Key*). The USB Key will help you boot the LaCie 5big NAS Pro and troubleshoot the device.

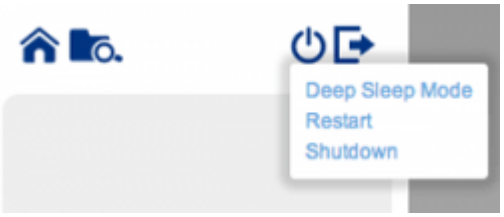
LaCie may update firmware on the USB Key for enhanced operation so please follow the directions below:

1. Insert the LaCie USB Key into a USB port on a PC with a connection to the internet. The PC must be running Windows.
2. Launch an internet browser to enter the following address: http://www.lacie.com/lakeynas
3. Follow the onscreen directions to make certain that the firmware for your USB Key is up to date.
4. Eject the key from your computer.

Step 2: Back up and Power Off the LaCie 5big NAS Pro

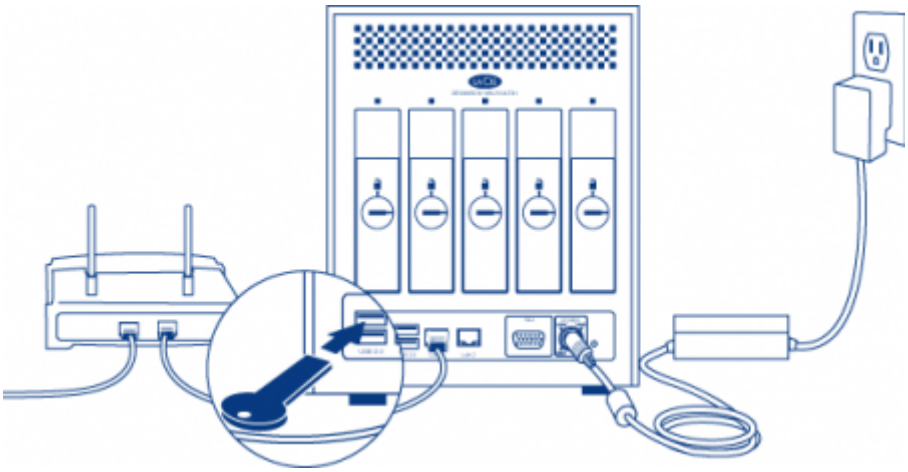
The LaCie NAS Rescue will attempt to repair or reset your RAID array. To guarantee that data stored on the LaCie 5big NAS Pro is preserved, LaCie highly recommends that you back up all shares before moving forward with the Rescue.

Once the backup is complete, please turn the device off. If you have access to the Dashboard, use the Dashboard power icon on the upper right of the window to select **Shutdown**. Otherwise, push the front LED button.



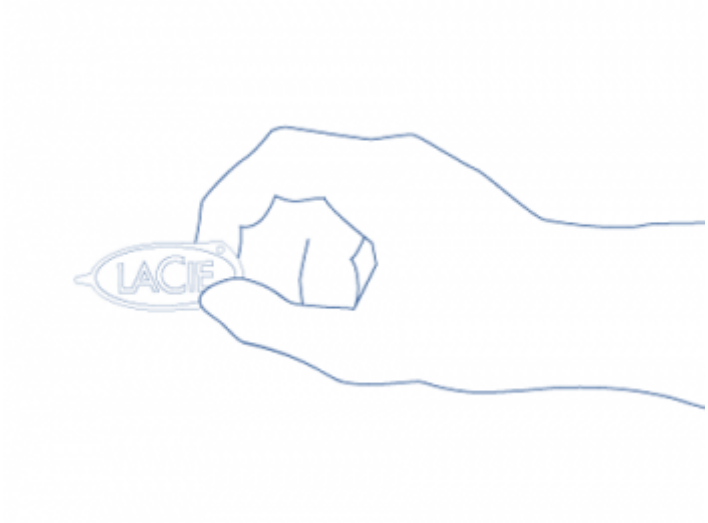
Step 3: Connect the LaCie USB Key

1. Connect the LaCie USB Key to one of the USB ports on the LaCie 5big NAS Pro.

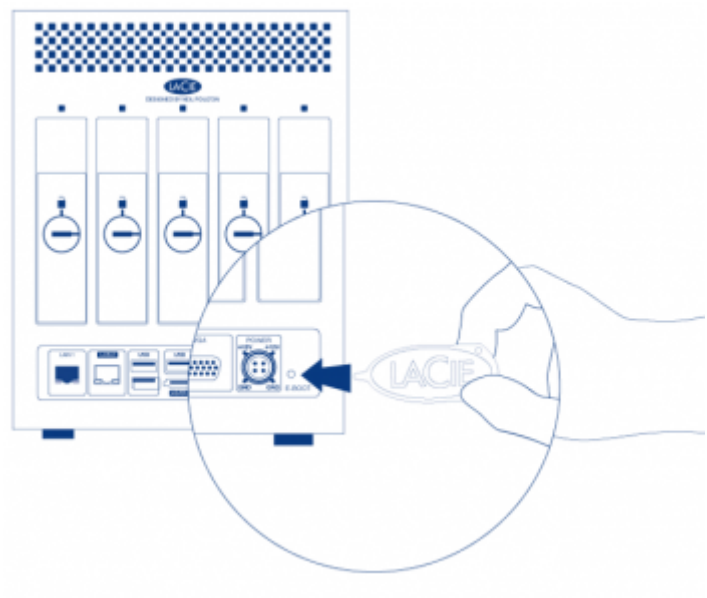


Step 4: Boot the LaCie 5big NAS Pro from the LaCie USB Key

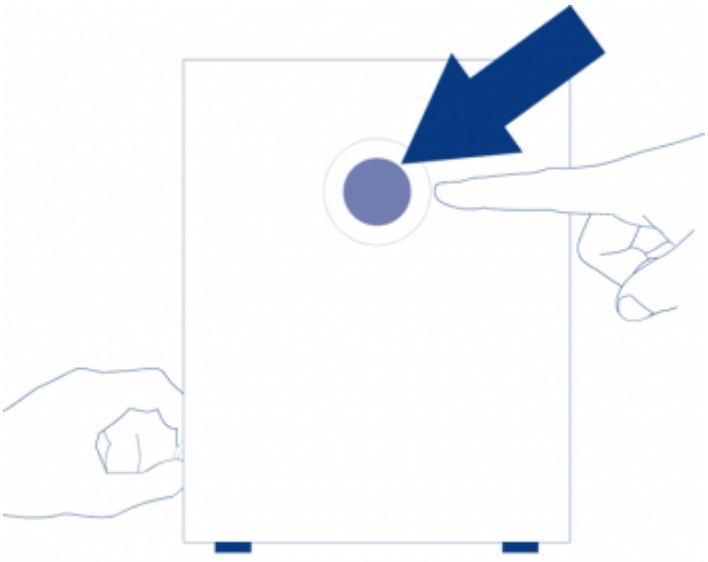
1. Locate the LaCie drive lock tool provided with your LaCie 5big NAS Pro.



2. Insert the pointed end of the drive lock tool into the E-boot port on the back of the device. You will feel minor resistance as you push the reset button.



3. While you are pushing the reset button with the drive lock tool, turn on the LaCie 5big NAS Pro by pushing the front LED button. DO NOT remove the drive lock tool as the LaCie 5big NAS Pro powers on. Doing so will prevent the LaCie 5big NAS Pro from using the LaCie USB Key as the boot device.

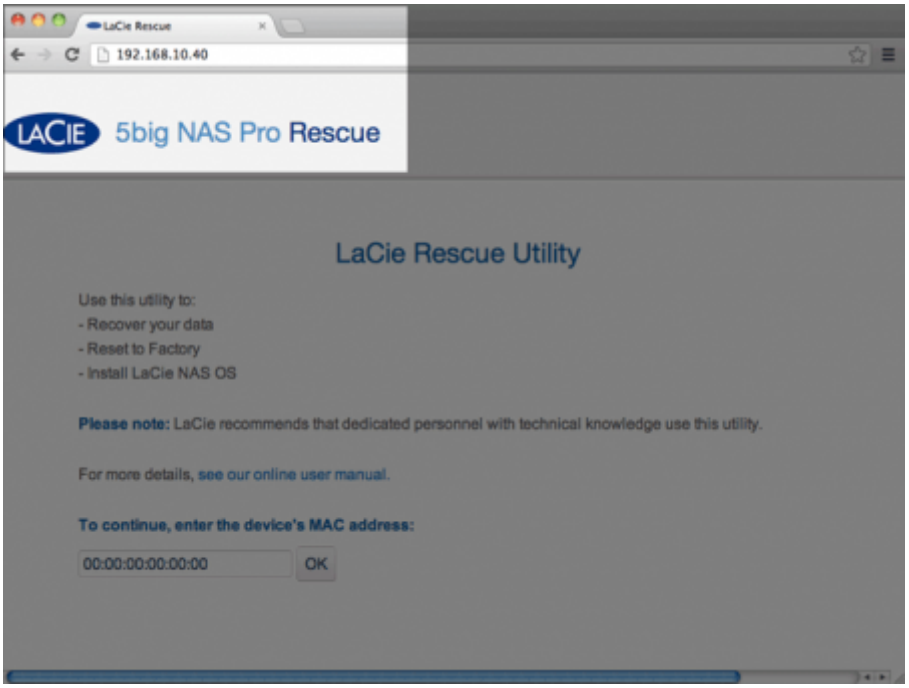


4. You can release the reset button 10 seconds after all the rear disk LEDs turn solid blue.

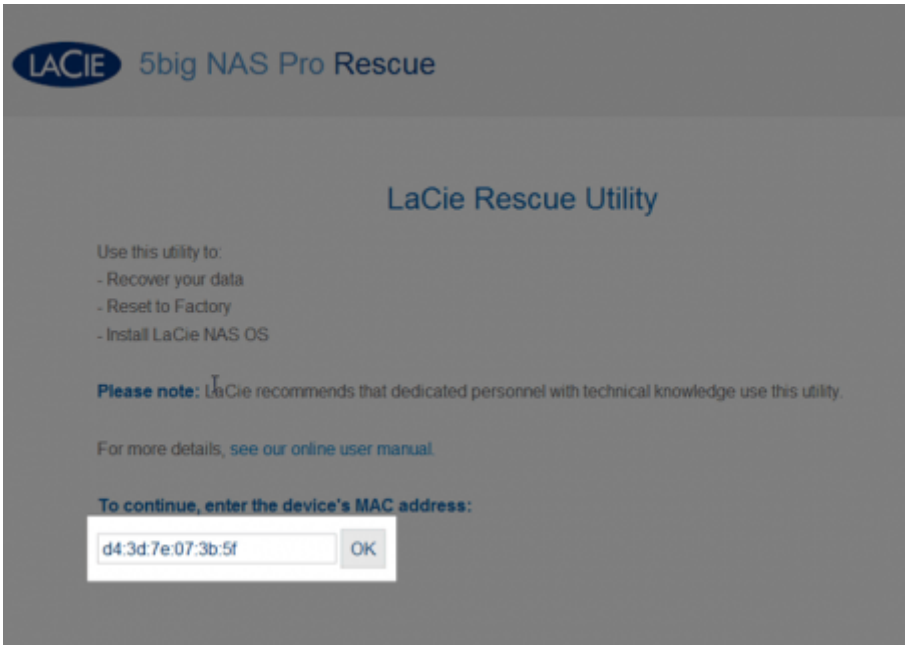
Step 5: Launch the LaCie 5big NAS Pro Rescue

5big NAS Pro Rescue
LaCie Rescue Utility
Use this utility to:
- Recover your data
- Reset to Factory
- Install LaCie NAS OS
Please note: LaCie recommends that dedicated personnel with technical knowledge use this utility.
For more details, see our online user manual.
To continue, enter the device's MAC address:
00:00:00:00:00:00
OK

1. Go to LaCie Network Assistant to select **LaCie-5big-pro > Web Access...**. If the LaCie NAS Rescue does not appear, enter the IP address or name in your browser's address bar (URL). For example, http://192.168.10.40 or http://lacie-5big-pro.local. (The default name of your LaCie 5big NAS Pro, *lacie-5big-pro*, will differ if you have changed it.)


LaCie Rescue
192.168.10.40
5big NAS Pro Rescue
LaCie Rescue Utility
Use this utility to:
- Recover your data
- Reset to Factory
- Install LaCie NAS OS
Please note: LaCie recommends that dedicated personnel with technical knowledge use this utility.
For more details, see our online user manual.
To continue, enter the device's MAC address:
00:00:00:00:00:00
OK

2. Enter one of the MAC addresses in the available field. It is not necessary to enter the colons.


5big NAS Pro Rescue
LaCie Rescue Utility
Use this utility to:
- Recover your data
- Reset to Factory
- Install LaCie NAS OS
Please note: LaCie recommends that dedicated personnel with technical knowledge use this utility.
For more details, see our online user manual.
To continue, enter the device's MAC address:
d4:3d:7e:07:3b:5f
OK

3. At the prompt, select your preferred type of Rescue and follow the onscreen instructions.